

PUBLIC REVIEW DRAFT

Illness Indicators in Lompoc, California:

An Evaluation of Available Data

II. Appendices

by

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APPENDIX A

**CORRESPONDENCE BETWEEN TRI-COUNTIES REGIONAL CANCER REGISTRY
AND OEHHA**

**Regarding Cancer Incidence in Lompoc, California
July 21, 1997**



COUNTY OF SANTA BARBARA • HEALTH CARE SERVICES
TRI-COUNTIES REGIONAL CANCER REGISTRY

345 Camino Del Remedio Santa Barbara, CA 93110

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Steven A. Escoboza, HCS Director
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Sue Watkins, ART, CTR, Cancer Registry Director

July 21, 1997

Joy A. Wisniewski, PhD
Staff Toxicologist
Office of Environmental Health Hazard Assessment
California Environmental Protection Agency
301 Capitol Mall, Second Floor
Sacramento, CA 95814-4327

Dear Dr. Wisniewski:

Thank you for your letters of June 26 and July 17, 1997 requesting cancer incidence data for Lompoc, California. Information you requested are presented in Table 1.

In reviewing this table please note the following:

1. Data used for this analysis cover 1988 to 1995 calendar years. At the time of this study on June 26, 1997, data for 1995 calendar year were only 87 percent complete. This means that the observed number of cases for 1995 could be underestimated by about 10 percent which may not be equally distributed for all cancer types. In general the California Cancer Registry (CCR) does not release data for any calendar year before it is considered to be at least 95 percent complete.
2. The 1,022 observed cases presented in Table 1, is limited to the newly diagnosed invasive cancers and does not include the 132 *in situ* cases that were diagnosed during this period in the same area. The observed/expected analysis suggested by the CCR is limited to invasive cases only.
3. The expected number estimates used for this analysis are based on a two-step process. First, the expected numbers for 1990 were estimated by applying the 1988-1992 average annual age-, sex-, and race-specific rates for the Tri-Counties Region (San Luis Obispo, Santa Barbara, and Ventura Counties) to the population of the requested census tracts as estimated by the 1990 U.S. Census. The expected numbers for 1990 were then combined for all the requested census tracts and multiplied by 8 to provide the expected numbers for 1988 to 1995. This procedure provides a reasonable estimate for 1988 to 1992 period, assuming a linear population increase. As the number of post-census years increases, the accuracy of the expected numbers estimated by this method is reduced. Information provided by the Planning Department of the City of Lompoc, suggests that the population of the incorporated areas of the city have been increasing by about 1-2 percent per year in recent years. However, population estimates for 1990 shows a 15% increase over 1989. Relevance of such estimates to the actual number of residents in the area and its impact on cancer incidence is not clear at this point.
4. The statistical procedure suggested by the CCR for evaluation of the observed/expected numbers requires the calculation of the exact 99 percent confidence interval around the observed number, and

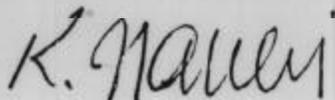
evaluation of the estimated expected numbers against it. If the expected number falls outside the boundaries of the confidence interval, it is considered statistically significant. When the expected number is smaller than the lower confidence limit it is concluded that the observed number is significantly higher than expected. However, with almost 6000 census tracts in California, at any given time about 30 census tracts will show statistically significant increase in a particular type of cancer only by chance. Other factors that need to be considered in evaluating a statistically significant finding include the type of cancer and its distribution by sex, age at the time of diagnosis, and geographical aggregation. Finally, it must be emphasized that statistical significance in observed/expected analysis can only be used for building hypotheses rather than proving an implied causation.

5. As seen in Table 1, only the cancer of the lung & bronchus, and all sites combined show a significant increase. The observed increase of 37% in total cases of cancer of the lung & bronchus is about the same as the results obtained during the previous analysis of similar information from this same area for 1988-1993. There is no sex differential for this site group and both male and female cases show significant increase. When cancers of the lung & bronchus are excluded from cancers of all sites combined, the increase of the observed number of the remaining sites combined is reduced to only 5 percent and is no longer statistically significant.
6. My statement in the last year's analysis of similar data in this area, regarding the unusual sex distribution of this cancer in certain areas of Lompoc was based on the observation in two specific groupings of the census tracts. These areas were identified as area C which included census tracts 27.02, 27.05, 27.07, and area D which included census tracts 27.03, 27.06, and 27.08. Similar analysis with new data has revealed that cancer of the lung & bronchus among women remains significantly higher only in area C. This observation, however, is not unique to this location. Other census tracts have also been identified in this region in which cases of female lung & bronchus cancer is greater than male cases.

I hope this information will be useful to you. I would also like to suggest that you may wish to consider a more detailed review of cases of the cancer of the lung & bronchus in this area. Since over 85 percent of these cancers are directly related to long term use of tobacco products, and cigarette smoking varies by educational levels of the population, it might be useful to evaluate the frequency of other smoking related cancers and the educational levels of the population in the census tracts of Lompoc.

Please feel free to contact me if you need further question and want additional data.

Sincerely,



Kiumarss Nasser, DVM, MPH, PhD
Epidemiologist

- cc. Sue Watkins, RRA, CTR. Director, Tri-Counties Regional Cancer Registry.
Elliot Schulman, MD. Health Officer, Santa Barbara County.
Eva Glazer, MD, MPH. Cancer Surveillance Program.
William E. Wright, PhD. Chief, Cancer Surveillance Section.

Table 1. Observed/expected analysis of selected cancer sites for Lompoc, California, 1988-1995

Cancer Site/Group	1990 Expected	1988-1995			99% Confidence Interval *
		Expected	Observed	SIR #	
Stomach	2.113	16.904	15	0.89	6.89-28.16
Liver	0.754	6.032	9	1.49	3.13-20.00
Lung & bronchus	16.711	133.688	183	1.37	150.03-220.82
Lung & bronchus, male	9.258	74.064	100	1.35	76.12-128.76
Lung & bronchus, female	7.453	59.624	83	1.39	61.51-109.48
Breast, female	18.179	145.432	149	1.03	119.44-183.42
Brain & other CNS **	2.001	16.008	15	0.94	6.89-28.16
Thyroid	2.059	16.472	10	0.61	3.72-21.40
Hodgkin's disease	0.925	7.400	4	0.54	0.67-12.59
Non-Hodgkin lymphoma	4.091	32.728	36	1.10	22.42-54.54
Multiple myeloma	1.189	9.512	13	1.37	5.58-25.50
Kidney and renal pelvis	2.663	21.304	34	1.60	20.857-52.107
All leukemia combined	3.204	25.632	25	0.98	14.00-41.00
Male reproductive organs +	18.945	151.560	128	0.85	100.737-160.130
Female reproductive organs ++	8.504	68.032	82	1.21	60.553-108.340
All sites combined	116.687	933.496	1022	1.09	941.53-1107.26
All sites combined, exc. Lung	99.976	799.808	839	1.05	766.27-916.53

SIR: Standardized Incidence Ratio

* Exact Poisson Confidence Interval for the observed numbers. If the expected number is within the range of confidence interval, it is considered that the difference between the observed and expected is not significant.

** CNS: Central Nervous System

+ Male reproductive organs include prostate, testis, and penis.

++ Female reproductive organs include cervix, uterus, ovary, vagina, and vulva.

APPENDIX B

CALIFORNIA BIRTH DEFECTS MONITORING PROGRAM

**Birth Defects in Lompoc, California
September 1996**

Birth Defects in Lompoc

Since late 1993, the Santa Barbara County Agricultural Commissioner's Office has received complaints about pesticide use near the town of Lompoc. To evaluate community concerns about illnesses and other health symptoms, the California Environmental Protection Agency's Office of Environmental Health Hazard Assessment was asked by the Department of Pesticide Regulation to review available health data for the Lompoc area.

This study, from the California Birth Defects Monitoring Program, looks at birth defects in Lompoc. Residents had not reported any specific concerns about birth defects to Cal/EPA; this is simply one of many possible health outcomes considered.

LOMPOC STUDY DESIGN

We reviewed Lompoc data following a protocol developed to respond to community concerns (*see page 3*). We examined data from 1987-1989, the years Santa Barbara County was included in the Program's birth defects registry, comparing findings from Lompoc (zip code 93436) to county and registry-wide data for the same period. We evaluated rates of specific conditions, including those which may be linked to pesticides. Finally, we reviewed case information to see if there were patterns suggesting a common underlying cause.

BIRTH DEFECTS NOT INCREASED

We found nothing unusual about birth defects rates or occurrence patterns in Lompoc.

■ **Was the overall birth defects rate in Lompoc higher than expected?**

No. From 1987-1989, there were 40 babies with birth defects among the 2490 live births and fetal deaths to Lompoc residents. This rate—16.1 per 1000 births—is not unusual compared to Santa Barbara County's rate (21.4 per 1000 births) and is lower than the registry-wide average (30.5 per 1000 births) for the same years.

SUMMARY

- Lompoc's overall birth defects rate—16.1 per 1000 births—was not higher than expected.
- Rates of 7 common defects were not unusual.
- There were no patterns among cases to suggest they had a common underlying cause.
- Studying a small area such as Lompoc cannot answer the larger question: Do pesticides cause birth defects? The Program is conducting a statewide study to assess risks from exposure to pesticides in many settings.

■ **Were specific conditions elevated?**

Rates of 7 common defects—heart defects, chromosome abnormalities, pyloric stenosis, oral clefts, limb defects, neural tube defects, and intestinal atresias—were normal compared to both county and registry-wide averages.

■ **What about pesticide-related birth defects?**

Birth defects and pesticides have not been well-studied in humans, and there are no definitive conclusions about risk (*see References*).

Possible links to oral clefts, limb defects, and neural tube defects have been raised—rates for these conditions in Lompoc were not increased.

■ **Were there similarities among cases?**

One of the hallmarks of a teratogen—an environmental cause of birth defects—is that it will produce a distinctive, characteristic pattern of malformations. We reviewed the 40 cases of birth defects in Lompoc to see if there were similarities suggesting a single underlying cause. We found no resemblance between cases.

■ **Are the birth defects in Lompoc related to pesticides or other environmental conditions?**

This question cannot be answered simply by reviewing rates or cases. Finding environmental causes of birth defects requires large well-controlled studies of specific exposures. The California Birth Defects Monitoring Program is conducting a statewide study of pesticides and 4 specific conditions: limb defects, serious heart defects, neural tube defects, and oral clefts. The study looks at many possible routes of exposure to pesticides: home use, occupational use, or

BIRTH DEFECTS, 1987-1989
RATE PER 1000 LIVE BIRTHS & FETAL DEATHS
(WITH 95% CONFIDENCE INTERVAL)

Lompoc	16.1	(11.5-21.8)
Santa Barbara County	21.4	(19.3-23.7)
Registry-wide Average	30.5	(30.1-30.8)

Note: Small numbers of births create statistical imprecision. Therefore, we consider both the rate and the confidence interval—the most likely range within which the true rate lies. We judge 2 rates to be similar if the rate from the larger population falls within the confidence interval of the other.

residence within 1/4 mile of agricultural fields. Interviews with over 2000 mothers document pregnancy exposures and events. The first study results will be published in 1997.

ABOUT THIS STUDY

■ Complaints about pesticides began several years after the period studied, 1987-1989, the years Santa Barbara County was part of our birth defects registry. Changes in environmental conditions or birth defects patterns may have occurred since 1989.

■ In our analysis, we grouped all births from Lompoc's zip code, 93436. Given the small numbers involved, we did not compare findings among the 5 census tract groupings used in the other evaluations by the Office of Environmental Health Hazard Assessment. However, plotting the residences of babies born with birth defects yielded no obvious geographic clustering.

- Our conclusions are based on a relatively small number of births, and have limited statistical power. Variation in demographic composition or medical practices can influence rates, complicating comparison to other areas.

REFERENCES

Studies of birth defects in agricultural areas where pesticides are used:

Field B, Kerr C. Herbicide use and incidence of neural-tube defects. *Lancet* 1979; I:1341-1342.

Gordon JE, Shy CM. Agricultural chemical use and congenital cleft lip and/or palate. *Archives of Environmental Health* 1981; 36:213-221.

Schwartz DA, LoGerfo JP. Congenital limb reduction defects in the agricultural setting. *American Journal of Public Health* 1988; 78:654-658.

White FMM, Cohen FG, Sherman G, McCurdy R. Chemicals, birth defects and stillbirths in New Brunswick: associations with agricultural activity. *Canadian Medical Association Journal* 1988; 138:117-124.

EVALUATING SMALL AREAS

Although the California Birth Defects Monitoring Program does not routinely analyze data from small areas such as zip codes or census tracts, we have developed this protocol to respond to specific community concerns about the environment.

The protocol looks for hallmarks seen when an environmental agent has been found to cause birth defects—a dramatic increase in a specific condition, a characteristic pattern of defects, and an exposure in common.

The protocol will uncover major birth defects problems, but generally cannot determine if environmental conditions are causing birth defects. For this, sizeable studies with accurate exposure information are needed.

Steps for evaluating small areas include:

- Comparing the area's overall birth defects rate to county and registry-wide rates.
- Examining rates of 7 specific birth defects which are common and likely to be uniformly diagnosed statewide: heart defects, chromosome abnormalities, pyloric stenosis, oral clefts, limb defects, neural tube defects, and intestinal atresias.
- Evaluating rates of other conditions if past scientific studies suggest possible links to the environmental exposure of concern.
- Reviewing cases to look for recurring patterns of defects or other similarities.

The California Birth Defects Monitoring Program—a public health program devoted to finding causes of birth defects—is funded through the California Department of Health Services and jointly operated with the March of Dimes Birth Defects Foundation.

- For more information, call (209) 224-2212.

CALIFORNIA BIRTH DEFECTS MONITORING PROGRAM

COMMUNITY SERVICE SECTION

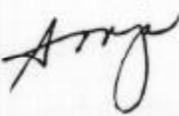
Phone: (209) 224-2212

FAX: (209) 224-0252

MEMORANDUM

DATE: June 20, 1997

TO: Joy Wisniewski, PhD
Staff Toxicologist
Office of Environmental Health Hazard Assessment

FROM: Sonja Bentley
Community Service Manager 

RE: Birth Defects in Lompoc

Per your request, we have looked at our registry data to determine if there were any birth defect cases in zip code 93438 from 1987-1989. We found no (0) cases out of a total of 2 births with this zip code listed on the birth certificate.

Please let me know if I can be of further help.

APPENDIX C
DISCHARGE CATEGORY BY DIAGNOSIS RELATED GROUP (DRG) CODE ^a

DISCHARGE CATEGORY	DRG CODE	DESCRIPTION OF DRG CODE
1. Bronchitis and asthma & other respiratory	096	Bronchitis/asthma age >17 w/ CC
	097	Bronchitis/asthma age >17 w/o CC
	098	Bronchitis/asthma age 0-17
	099	Respiratory signs/symptoms w/ CC
	100	Respiratory signs/symptoms wo/ CC
	101	Other respiratory diagnoses w/ CC
	102	Other respiratory diagnoses wo/ CC
2. Interstitial lung disease	092	Interstitial lung disease w/ CC
	093	Interstitial lung disease w/o CC
3. Otitis media and upper respiratory disease	068	Otitis media & upper respiratory infection age >17 w/ CC
	069	Otitis media & upper respiratory infection age >17 w/o CC
	070	Otitis media & upper respiratory infection age 0-17
4. Abnormal birth outcomes	385	Neonates, died or transferred to other acute facility
	386	Extreme immaturity or respiratory disease syndrome, neonate
	387	Prematurity with major problems
	388	Prematurity w/o major problems
	389	Full term neonate w/ major problems
	390	Neonate w/ other significant problems
5. Non-therapeutic abortions	380	Abortion w/o D&C
	381	Abortion w/ D&C, aspiration curettage or hysterotomy
6. Female reproductive malignancy	357	Uterine & adnexa proc for ovarian or adnexal malignancy
	363	D&C, conization & radio-implant, for malignancy
	366	Malignancy, female reproductive system w/ CC
	367	Malignancy, female reproductive system w/o CC
7. Pleurisy and pneumonia	089	Simple pneumonia & pleurisy age >17 w/ CC
	090	Simple pneumonia & pleurisy age >17 w/o CC
	091	Simple pneumonia & pleurisy age 0-17
8. Kidney neoplasm	303	Kidney, ureter & major bladder procs for neoplasm
	318	Kidney UT neoplasms w CC
	319	Kidney UT neoplasms w/o CC
9. Male reproductive malignancy	346	Malignancy, male reproductive system, w CC
	347	Malignancy, male reproductive system, w/o CC
10. Myeloproliferative disease	406	Myeloprolif disord or poorly diff neoplasm w/ major O.R. proc w/ CC
	407	Myeloprolif disord or poorly diff neoplasm w/ major O.R. proc w/o CC
	408	Myeloprolif disord or poorly diff neoplasm w/ other O.R. proc
11. Nervous system malignancy	010	Nervous system neoplasms w/ CC
	011	Nervous system neoplasms w/o CC
12. Female breast cancer	257	Total mastectomy for malignancy w/ CC
	258	Total mastectomy for malignancy w/o CC
	259	Subtotal mastectomy for malignancy w/ CC
	260	Subtotal mastectomy for malignancy w/o CC
	274	Malignant breast disorders w/ CC
	275	Malignant breast disorders w/o CC
13. Respiratory malignancy	082	Respiratory neoplasms

APPENDIX C (continued)
DISCHARGE CATEGORY BY DIAGNOSIS RELATED GROUP (DRG) CODE ^a

DISCHARGE CATEGORY	DRG CODE	DESCRIPTION OF DRG CODE
14. Seizures and headaches	024	Seizure & headache age >17 w/ CC
	025	Seizure & headache age >17 w/o CC
	026	Seizure & headache age 0-17
15. Digestive cancer	172	Digestive malignancy w/ CC
	173	Digestive malignancy w/o CC
16. Chronic obstructive pulmonary disease (COPD)	088	Chronic obstructive pulmonary disease (COPD)
17. Respiratory infection and inflammation	079	Respiratory infections & inflammations age >17 w CC
	080	Respiratory infections & inflammations age >17 w/o CC
	081	Respiratory infections & inflammations age 0-17
18. Lymphomas	400	Lymphoma & leukemia w/ major O.R. proc
	401	Lymphoma & non-acute leukemia w/ other O.R. proc w/ CC
	402	Lymphoma & non-acute leukemia w/ other O.R. proc w/o CC
	403	Lymphoma & non-acute leukemia w/ CC
	404	Lymphoma & non-acute leukemia w/o CC

^a From the Office of Statewide Health Planning and Development. 1993 Discharge Data Tape Format Documentation, January 1995.

Notes:

w/CC = with complications

wo/CC = without complications

APPENDIX D

PROFILE OF LOMPOC AND COMPARISON AREAS: 1991-1994

Panel I. Demographic summary

DISCHARGES AND DISCHARGE POPULATION

CHARACTERISTICS

<u>AREA</u>	<u>Discharges</u>	<u>% Male</u>	<u>% < 15 years</u>	<u>% Hispanic</u>
Santa Barbara County	154,528	39.7	21.2	24.3
Lompoc	21,145	42.0	23.4	18.6
SB Co. minus Lompoc	133,383	39.3	20.8	25.2
San Luis Obispo County	90,697	42.0	17.4	9.4
Ventura County	291,790	38.9	22.5	25.4
Mendocino County	41,180	41.5	15.7	7.9
Humboldt & Del Norte Counties	69,095	42.7	16.4	2.5
Humboldt County	58,490	42.6	15.9	2.0
Del Norte County	10,605	43.0	18.8	5.1

APPENDIX D, continued

PROFILE OF LOMPOC AND COMPARISON AREAS: 1991-1994

Panel II. -- PESTICIDE USE DATA (POUNDS OF ACTIVE INGREDIENT APPLIED) FOR 1991 TO 1994 FOR THE LOMPOC AREA AND SELECTED COMPARISON COUNTIES

COUNTY/AREA	PESTICIDE TYPE	LBS OF ACTIVE INGREDIENT APPLIED			
		1991	1992	1993	1994
Lompoc Area*	Fumigant	1,053.45	14,705.58	1,467.98	655.22
	Fungicide	4,935.15	5,079.88	8,081.72	8,484.12
	Herbicide	2,353.53	2,382.68	1,659.12	1,691.18
	Insecticide	3,012.74	3,174.42	4,508.97	5,085.54
Santa Barbara Co.	Fumigant	1,609,298.99	1,748,002.40	1,667,681.48	1,324,721.24
	Fungicide	836,012.95	1,248,577.97	1,331,321.82	1,274,758.72
	Herbicide	402,989.71	256,485.07	266,793.90	227,173.98
	Insecticide	1,131,098.15	1,280,151.00	1,442,468.42	1,222,952.96
San Luis Obispo Co.	Fumigant	454,588.22	502,715.39	476,031.58	361,446.11
	Fungicide	840,606.53	957,983.21	758,301.36	969,724.46
	Herbicide	123,550.24	134,490.52	143,747.40	149,171.71
	Insecticide	858,163.39	998,945.41	882,302.61	992,972.48
Ventura Co.	Fumigant	1,512,995.45	1,843,538.48	1,511,907.02	1,719,365.14
	Fungicide	344,905.08	599,529.67	510,409.19	392,385.50
	Herbicide	290,284.91	459,717.45	339,748.13	448,576.09
	Insecticide	2,846,228.44	3,361,002.31	2,805,595.25	2,314,086.31
Mendocino Co.	Fumigant	19,443.53	25,527.45	30,090.37	34,127.34
	Fungicide	833,866.53	1,285,227.56	1,255,981.64	1,242,197.31
	Herbicide	53,014.32	30,397.59	24,168.96	50,916.98
	Insecticide	834,314.27	1,312,893.50	1,199,601.10	1,430,260.00
Humboldt Co.	Fumigant	19,390.29	12,887.62	18,931.83	19,403.90
	Fungicide	6,323.04	5,623.08	3,749.88	6,868.37
	Herbicide	9,366.17	21,555.25	35,811.96	34,770.68
	Insecticide	1,904.36	3,059.65	1,964.67	3,537.56
Del Norte Co.	Fumigant	90,848.51	112,273.78	114,380.24	96,768.69
	Fungicide	33,960.29	20,209.87	58,591.56	30,913.37
	Herbicide	21,050.15	19,379.28	25,565.06	13,680.86
	Insecticide	7,233.80	6,693.02	6,418.26	6,133.74

Data table courtesy of the Department of Pesticide Regulation.

*Lompoc data do not agree with earlier DPR reports (1995) because DPR limited its analysis to selected crops.

APPENDIX E

STATISTICAL SUPPORT FOR PATTERN ANALYSIS 1: SUMMARY OF ODDS RATIOS
OF PROPORTIONAL MORBIDITY DISCHARGES, FOR DRG'S,
BY COMPARISON SITE, 1991-1994, ALL AGES

<u>Diagnosis Related Group (DRG)</u>	<u>DRG Codes</u>	<u>SB-Lom</u>	<u>Ventura</u>	<u>SLO</u>	<u>Mendo</u>	<u>Hum+DN</u>
1) Bronchitis and asthma	DRG 96 to 102	2.43 ³	1.59 ³	2.08 ³	1.91 ³	1.88 ³
2) Interstitial lung disease	DRG 92, 93	1.69 ¹	2.38 ³	2.68 ³	2.45 ²	2.28 ²
3) Otitis media and URD	DRG 68, 69, 70	1.61 ³	1.59 ³	1.42 ¹	2.01 ³	1.95 ³
4) Abnormal birth outcomes	DRG 385 to 391	1.72 ³	0.89	1.16 ³	0.86	1.32 ³
5) Abortions, non-therapeutic	DRG 380 ex. ICD 63592	1.03	0.56	0.50	1.59	0.88
6) Female repro. malignancy	DRG 357, 363, 366, 367	1.25	1.55 ¹	1.65 ²	1.51 ¹	1.60 ¹
7) Pleurisy and pneumonia	DRG 89, 90, 91	1.06	1.14 ²	0.96	0.90	0.95
8) Kidney neoplasm	DRG 303, 318, 319	1.02	1.27	1.11	1.49	1.43
9) Male repro. malignancy	DRG 346, 347	1.16	1.48	0.74	1.24	1.64
10) Myeloproliferative disease	DRG 406, 407, 408	0.97	1.03	1.11	1.09	2.06 ¹
11) Nervous system malig.	DRG 10, 11	0.86	1.09	0.85	1.11	1.17
12) Female breast cancer	DRG 257-260, 274-275	1.02	1.09	0.99	1.18	1.27 ¹
13) Respiratory malignancy	DRG 82	1.00	1.03	0.94	0.73	1.15
14) Seizures and headaches	DRG 24, 25, 26	0.80	0.90	0.69	1.13	1.16
15) Digestive cancer	DRG 172, 173	0.58	0.75	0.81	0.66	0.95
16) Chronic obstr. PD (COPD)	DRG 88	0.82	0.81	0.77	0.62	0.60
17) Respiratory inf. & infl.	DRG 79, 80, 81	0.71	0.61	0.76	0.48	0.55
18) Lymphomas	DRG 400 to 404	0.81	0.81	0.95	0.79	1.01

¹ = p < .05

² = p < .01

³ = p < .001

APPENDIX F

STATISTICAL SUPPORT FOR PATTERN ANALYSIS 1, CONTINUED:
 PROPORTIONAL MORBIDITY ANALYSIS SPREADSHEET FOR DRG'S, BY
 COMPARISON SITE; 1991-1994, ALL AGES

Panel 1 – Spreadsheet proper

**PROG 1 -- Bronchitis and asthma
 DRGs 96, 97, 98, 99, 100, 101, 102**

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

Bronchitis & asthma 602

Bronch & asthma/Adj. Tot 0.04172

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

Bronchitis & asthma 1,185

Bronch & asthma/Adj. tot 0.02214

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

Bronchitis & asthma 1,560

Bronch & asthma/Adj. tot 0.01720

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

Bronchitis & asthma 5,104

Bronch & asthma/Adj. tot 0.02626

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

Bronchitis & asthma 1,390

Bronch & asthma/Adj. tot 0.02006

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

Bronchitis & asthma 706

Bronch & asthma/Adj. tot 0.02182

RATIOS for bronchitis and asthma

Lompoc / Santa Barbara - Lompoc	2.425339
Lompoc / San Luis Obispo County	2.079617
Lompoc / Humboldt & Del Norte Co	1.884536
Lompoc / Ventura Co	1.588667
Lompoc / Mendocino Co	1.912113

**PROG 2 -- INTERSTITIAL LUNG DISEASE
DRG's 92, 93**

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

Interstitial lung disease 24

Interstitial lung disease/Adj. tot 0.00166

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

Interstitial lung disease 89

Interstitial lung disease/Adj. tot 0.00098

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

Interstitial lung disease 43

Interstitial lung disease/Adj. tot 0.00062

RATIOS for Interstitial lung disease

Lompoc / Santa Barbara - Lompoc	1.694813
Lompoc / San Luis Obispo County	2.680060
Lompoc / Humboldt & Del Norte Co	2.282826
Lompoc / Ventura Co	2.376947
Lompoc / Mendocino Co	2.446304

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

Interstitial lung disease 39

Interstitial lung disease/Adj. tot 0.00073

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

Interstitial lung disease 136

Interstitial lung disease/Adj. tot 0.00070

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

Interstitial lung disease 22

Interstitial lung disease/Adj. tot 0.00068

**PROG 3 -- OTITIS MEDIA AND UPPER RESPIRATORY DISEASE
DRGs 68, 69, 70**

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

Otitis media 61

Otitis media/Adj. tot 0.00423

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

Otitis media 116

Otitis media/Adj. tot 0.00217

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

Otitis media 238

Otitis media/Adj. tot 0.00262

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

Otitis media 517

Otitis media/Adj. tot 0.00266

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

Otitis media 207

Otitis media/Adj. tot 0.00299

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

Otitis media 68

Otitis media/Adj. tot 0.00210

RATIOS for Otitis media & upper respiratory disease

Lompoc / Santa Barbara - Lompoc	1.610844
Lompoc / San Luis Obispo County	1.415016
Lompoc / Humboldt & Del Norte Co	1.950734
Lompoc / Ventura Co	1.589229
Lompoc / Mendocino Co	2.011605

PROG 4 -- ABNORMAL BIRTH OUTCOMES
DRGs 385, 386, 387, 388, 389, 390

Lompoc

Total births	3,361
-Newborns	0
- Deliveries	0
Adj. total	3,361

Abnormal birth outcomes 1,077

Abnormal birth outcomes/Adj. tot 0.32044

SB County - Lompoc

Total births	21,446
- Newborns	0
- Deliveries	0
Adj. total	21,446

Abnormal birth outcomes 4006

Abnormal birth outcomes/Adj. tot 0.18679

San Luis Obispo County

Total births	10,733
- Newborns	0
- Deliveries	0
Adj. total	10,733

Abnormal birth outcomes 2,965

Abnormal birth outcomes/Adj. tot 0.27625

Humboldt & Del Norte

Total births	7,819
- Newborns	0
- Deliveries	0
Adj. total	7,819

Abnormal birth outcomes 1,892

Abnormal birth outcomes/Adj. tot 0.24197

Ventura County

Total births	48,860
- Newborns	0
- Deliveries	0
Adj. total	48,860

Abnormal birth outcomes 17,600

Abnormal birth outcomes/Adj. tot 0.36021

Mendocino County

Total births	4,429
- Newborns	0
- Deliveries	0
Adj. total	4,429

Abnormal birth outcomes 1,658

Abnormal birth outcomes/Adj. tot 0.37435

RATIOS for Abnormal birth outcomes

Lompoc / Santa Barbara - Lompoc	1.715509
Lompoc / San Luis Obispo County	1.159962
Lompoc / Humboldt & Del Norte Co	1.324272
Lompoc / Ventura Co	0.889586
Lompoc / Mendocino Co	0.855989

PROG 5 -- NON-THERAPEUTIC ABORTIONS
DRGs 380 Or 381 and DIAG_PR NE "63592"

Lompoc

Total births	3,361
-Newborns	0
- Deliveries	0
Adj. total	3,361

Non-therapeutic abortions 29

Non-ther abortions/Adj. tot 0.00863

Humboldt & Del Norte

Total births	7,819
- Newborns	0
- Deliveries	0
Adj. total	7,819

Non-therapeutic abortions 77

Non-ther abortions/Adj. tot 0.00985

SB County - Lompoc

Total births	21,446
- Newborns	0
- Deliveries	0
Adj. total	21,446

Non-therapeutic abortions 179

Non-ther abortions/Adj. tot 0.00835

Ventura County

Total births	48,860
- Newborns	0
- Deliveries	0
Adj. total	48,860

Non-therapeutic abortions 757

Non-ther abortions/Adj. tot 0.01549

San Luis Obispo County

Total births	10,733
- Newborns	0
- Deliveries	0
Adj. total	10,733

Non-therapeutic abortions 184

Non-therapeutic abortions/Adj. tot 0.01714

Mendocino County

Total births	4,429
- Newborns	0
- Deliveries	0
Adj. total	4,429

Non-therapeutic abortions 24

Non-therapeutic abortions/Adj. tot 0.00542

RATIOS for Non-therapeutic abortions

Lompoc / Santa Barbara - Lompoc	1.033767
Lompoc / San Luis Obispo County	0.503307
Lompoc / Humboldt & Del Norte Co	0.876173
Lompoc / Ventura Co	0.557134
Lompoc / Mendocino Co	1.592296

PROG 6 -- FEMALE REPRODUCTIVE MALIGNANCY
DRGs 357, 363, 366, 367

Lompoc

Total disch (female)	12,263
-Newborns (female)	1,648
- Deliveries	3,356
Adj. total	7,259

Female repro malignancy 37

Female repro mal/Adj. tot 0.00510

SB County - Lompoc

Total disch (female)	80,891
- Newborns (female)	10,535
- Deliveries	21,258
Adj. total	49,098

Female repro malignancy 201

Female repro mal/Adj. tot 0.00409

San Luis Obispo County

Total disch (female)	52,557
- Newborns (female)	5,221
- Deliveries	10,684
Adj. total	36,652

Female repro malignancy 113

Female repro mal/Adj. tot 0.003083

RATIOS for Female repro malignancy

Lompoc / Santa Barbara - Lompoc	1.245067
Lompoc / San Luis Obispo County	1.653271
Lompoc / Humboldt & Del Norte Co	1.604849
Lompoc / Ventura Co	1.547577
Lompoc / Mendocino Co	1.513845

Humboldt & Del Norte

Total disch (female)	39,594
- Newborns (female)	3,818
- Deliveries	7,754
Adj. total	28,022

Female repro malignancy 89

Female repro malig/Adj. tot 0.003176076

Ventura County

Total disch (female)	178,372
- Newborns (female)	24,119
- Deliveries	48,594
Adj. total	105,659

Female repro malignancy 348

Female repro malig/Adj. tot 0.00329

Mendocino County

Total disch (female)	24,077
- Newborns (female)	2,157
- Deliveries	4,397
Adj. total	17,523

Female repro malig 59

Female repro malig/Adj. tot 0.00337

PROG 7 -- PLEURISY AND PNEUMONIA
DRGs 89, 90, 91

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

Pleurisy and pneumonia 474

Pleurisy and pneumonia/Adj. tot 0.03285

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

Pleurisy and pneumonia 2,811

Pleurisy and pneumonia/Adj. tot 0.03100

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

Pleurisy and pneumonia 2,381

Pleurisy and pneumonia/Adj. tot 0.03437

RATIOS for Pleurisy and pneumonia

Lompoc / Santa Barbara - Lompoc	1.059786
Lompoc / San Luis Obispo County	0.955918
Lompoc / Humboldt & Del Norte Co	0.951486
Lompoc / Ventura Co	1.136635
Lompoc / Mendocino Co	0.904612

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

Pleurisy and pneumonia 1,848

Pleurisy and pneumonia/Adj. tot 0.03453

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

Pleurisy and pneumonia 5,617

Pleurisy and pneumonia/Adj. tot 0.02890

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

Pleurisy and pneumonia 1,175

Pleurisy and pneumonia/Adj. tot 0.03632

PROG 8 -- KIDNEY NEOPLASM
DRGs 303, 318, 319

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

Kidney neoplasm 34

Kidney neoplasm/Adj. tot 0.00236

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

Kidney neoplasm 88

Kidney neoplasm/Adj. tot 0.00164

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

Kidney neoplasm 210

Kidney neoplasm/Adj. tot 0.00232

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

Kidney neoplasm 360

Kidney neoplasm/Adj. tot 0.00185

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

Kidney neoplasm 147

Kidney neoplasm/Adj. tot 0.00212

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

Kidney neoplasm 51

Kidney neoplasm/Adj. tot 0.00158

RATIOS for Kidney neoplasm

Lompoc / Santa Barbara - Lompoc	1.017560
Lompoc / San Luis Obispo County	1.110614
Lompoc / Humboldt & Del Norte Co	1.433252
Lompoc / Ventura Co	1.274298
Lompoc / Mendocino Co	1.494963

PROG 9 -- MALE REPRODUCTIVE MALIGNANCY
DRGs 346, 347

Lompoc

Total disch (male)	8,878
-Newborns (male)	1,713
- Deliveries	0
Adj. total	7,165

Male repro malignancy 6

Male repro malig/Adj. tot 0.00084

Humboldt & Del Norte

Total disch (male)	29,501
- Newborns (male)	4,001
- Deliveries	0
Adj. total	25,500

Male repro malignancy 13

Male repro malig/Adj. tot 0.00051

SB County - Lompoc

Total disch (male)	52,485
- Newborns (male)	10,909
- Deliveries	0
Adj. total	41,576

Male repro malig 30

Male repro malig/Adj. tot 0.00072

Ventura County

Total disch (male)	113,398
- Newborns (male)	24,740
- Deliveries	0
Adj. total	88,658

Male repro malignancy 50

Male repro malig/Adj. tot 0.00056

San Luis Obispo County

Total disch (male)	38,137
- Newborns (male)	5,512
- Deliveries	0
Adj. total	32,625

Male repro malignancy 37

Male repro malig/Adj. tot 0.0011341

Mendocino County

Total disch (male)	17,100
- Newborns (male)	2,270
- Deliveries	0
Adj. total	14,830

Male repro malignancy 10

Male repro malig/Adj. tot 0.00067

RATIOS for Male reproductive malignancy

Lompoc / Santa Barbara - Lompoc	1.160530
Lompoc / San Luis Obispo County	0.740675
Lompoc / Humboldt & Del Norte Co	1.642600
Lompoc / Ventura Co	1.484851
Lompoc / Mendocino Co	1.241870

PROG 10 -- MYELOPROLIFERATIVE DISEASE
DRGs 406, 407, 408

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

Myeloproliferative disease 15

Myeloproliferative disease/Adj. tot 0.00104

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

Myeloproliferative disease 97

Myeloproliferative disease/Adj. tot 0.00107

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

Myeloproliferative disease 65

Myeloproliferative disease/Adj. tot 0.00094

RATIOS for Myeloproliferative disease

Lompoc / Santa Barbara - Lompoc	0.971897
Lompoc / San Luis Obispo County	1.108102
Lompoc / Humboldt & Del Norte Co	2.060885
Lompoc / Ventura Co	1.025586
Lompoc / Mendocino Co	1.085054

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

Myeloproliferative disease 27

Myeloproliferative disease/Adj. tot 0.00050

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

Myeloproliferative disease 197

Myeloproliferative disease/Adj. tot 0.00101

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

Myeloproliferative disease 31

Myeloproliferative disease/Adj. tot 0.00096

PROG 11 -- NERVOUS SYSTEM MALIGNANCY
DRGs 10, 11

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

Nervous system malignancy 35

Nervous sys malig/Adj. tot 0.00243

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

Nervous system malignancy 255

Nervous sys malig/Adj. tot 0.00281

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

Nervous system malignancy 197

Nervous sys malig/Adj. tot 0.00284

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

Nervous system malignancy 111

Nervous sys malig/Adj. tot 0.00207

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

Nervous system malig 431

Nervous sys malig/Adj. tot 0.00222

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

Nervous system malignancy 71

Nervous sys malig/Adj. tot 0.00219

RATIOS for Nervous system malignancy

Lompoc / Santa Barbara - Lompoc	0.862638
Lompoc / San Luis Obispo County	0.853107
Lompoc / Humboldt & Del Norte Co	1.169691
Lompoc / Ventura Co	1.093800
Lompoc / Mendocino Co	1.105431

PROG 12 -- FEMALE BREAST CANCER
DRGs 257, 258, 259, 260, 274, 275

Lompoc

Total disch (female)	12,263
-Newborns (female)	1,648
- Deliveries	3,356
Adj. total	7,259

Female breast cancer 98

Female breast ca/Adj. tot 0.01350

Humboldt & Del Norte

Total disch (female)	39,594
- Newborns (female)	3,818
- Deliveries	7,754
Adj. total	28,022

Female breast cancer 297

Female breast ca/Adj. tot 0.01060

SB County - Lompoc

Total disch (female)	80,891
- Newborns (female)	10,535
- Deliveries	21,258
Adj. total	49,098

Female breast cancer 651

Female breast ca/Adj. tot 0.01326

Ventura County

Total disch (female)	178,372
- Newborns (female)	24,119
- Deliveries	48,594
Adj. total	105,659

Female breast cancer 1,307

Female breast ca/Adj. tot 0.01237

San Luis Obispo County

Total disch (female)	52,557
- Newborns (female)	5,221
- Deliveries	10,684
Adj. total	36,652

Female breast cancer 502

Female breast ca/Adj. tot 0.01370

Mendocino County

Total disch (female)	24,077
- Newborns (female)	2,157
- Deliveries	4,397
Adj. total	17,523

Female breast cancer 201

Female breast ca/Adj. tot 0.01147

RATIOS for Female breast cancer

Lompoc / Santa Barbara - Lompoc	1.018198
Lompoc / San Luis Obispo County	0.985697
Lompoc / Humboldt & Del Norte Co	1.273773
Lompoc / Ventura Co	1.091391
Lompoc / Mendocino Co	1.176960

**PROG 13 -- RESPIRATORY MALIGNANCY
DRGs 82**

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

Respiratory malignancy 68

Respiratory malignancy/Adj. tot 0.00471

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

Respiratory malignancy 426

Respiratory malignancy/Adj. tot 0.00470

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

Respiratory malignancy 349

Respiratory malignancy/Adj. tot 0.00504

RATIOS for Respiratory malignancy

Lompoc / Santa Barbara - Lompoc	1.003229
Lompoc / San Luis Obispo County	0.935589
Lompoc / Humboldt & Del Norte Co	1.146601
Lompoc / Ventura Co	1.031438
Lompoc / Mendocino Co	0.733107

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

Respiratory malignancy 220

Respiratory malignancy/Adj. tot 0.00411

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

Respiratory malignancy 888

Respiratory malignancy/Adj. tot 0.00457

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

Respiratory malignancy 208

Respiratory malignancy/Adj. tot 0.00643

PROG 14 -- SEIZURES AND HEADACHES
DRGs 24, 25, 26

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

Seizures and headaches 114

Seizures and HA/Adj. tot 0.00790

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

Seizures and headaches 895

Seizures and HA/Adj. tot 0.00987

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

Seizures and headaches 798

Seizures and HA/Adj. tot 0.01152

RATIOS for Seizures and headaches

Lompoc / Santa Barbara - Lompoc	0.800539
Lompoc / San Luis Obispo County	0.685968
Lompoc / Humboldt & Del Norte Co	1.161795
Lompoc / Ventura Co	0.904304
Lompoc / Mendocino Co	1.131145

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

Seizures and headaches 364

Seizures and HA/Adj. tot 0.00680

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

Seizures and headaches 1,698

Seizures and HA/Adj. tot 0.00874

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

Seizures and headaches 226

Seizures and HA/Adj. tot 0.00699

PROG 15 -- DIGESTIVE CANCER
DRGs 172, 173

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

Digestive cancer 22

Digestive cancer/Adj. tot 0.00152

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

Digestive cancer 238

Digestive cancer/Adj. tot 0.00262

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

Digestive cancer 131

Digestive cancer/Adj. tot 0.00189

RATIOS for Digestive cancer

Lompoc / Santa Barbara - Lompoc	0.580960
Lompoc / San Luis Obispo County	0.806405
Lompoc / Humboldt & Del Norte Co	0.948966
Lompoc / Ventura Co	0.754010
Lompoc / Mendocino Co	0.657784

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

Digestive cancer 86

Digestive cancer/Adj. tot 0.00161

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

Digestive cancer 393

Digestive cancer/Adj. tot 0.00202

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

Digestive cancer 75

Digestive cancer/Adj. tot 0.00232

**PROG 16 -- COPD
DRGs 88**

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

COPD 126

COPD/Adj. t 0.00873

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

COPD 782

COPD/Adj. t 0.01461

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

COPD 968

COPD/Adj. t 0.01068

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

COPD 2,089

COPD/Adj.t 0.01075

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

COPD 788

COPD/Adj. t 0.01137

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

COPD 457

COPD/Adj. t 0.01412

RATIOS for COPD

Lompoc / Santa Barbara - Lompoc	0.818080
Lompoc / San Luis Obispo County	0.767796
Lompoc / Humboldt & Del Norte Co	0.597709
Lompoc / Ventura Co	0.812417
Lompoc / Mendocino Co	0.618267

**PROG 17 -- RESPIRATORY INFECTION AND INFLAMMATION
DRGs 79, 80, 81**

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

Respiratory infection & inflammation	88
--------------------------------------	----

Resp inf & inflam/Adj. t	0.00610
--------------------------	---------

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

Respiratory infection and inflammation	777
--	-----

Resp inf & inflam/Adj. t	0.00857
--------------------------	---------

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

Respiratory infection & inflammation	559
--------------------------------------	-----

Resp inf & inflam/Adj. t	0.00807
--------------------------	---------

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

Respiratory infection and inflammation	591
--	-----

Resp inf & inflam/Adj. t	0.01104
--------------------------	---------

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

Respiratory infection and inflammation	1,936
--	-------

Resp inf & inflam/Adj. t	0.00996
--------------------------	---------

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

Respiratory infection and inflammation	414
--	-----

Resp inf & inflam/Adj. t	0.01280
--------------------------	---------

RATIOS for Respiratory infection and inflammation

Lompoc / Santa Barbara - Lompoc	0.711807
Lompoc / San Luis Obispo County	0.755914
Lompoc / Humboldt & Del Norte Co	0.552359
Lompoc / Ventura Co	0.612244
Lompoc / Mendocino Co	0.476655

PROG 18 -- Lymphomas
DRGs 400, 401, 402, 403, 404

Lompoc

Total disch	21,145
-Newborns	3,361
- Deliveries	3,356
Adj. total	14,428

Lymphomas 53

Lymphomas/Adj. tot 0.00367

Humboldt & Del Norte

Total disch	69,095
- Newborns	7,819
- Deliveries	7,754
Adj. total	53,522

Lymphomas 194

Lymphomas/Adj. tot 0.00362

SB County - Lompoc

Total disch	133,383
- Newborns	21,446
- Deliveries	21,258
Adj. total	90,679

Lymphomas 410

Lymphomas/Adj. tot 0.00452

Ventura County

Total disch	291,790
- Newborns	48,860
- Deliveries	48,594
Adj. total	194,336

Lymphomas 886

Lymphomas/Adj. tot 0.00456

San Luis Obispo County

Total disch	90,697
- Newborns	10,733
- Deliveries	10,684
Adj. total	69,280

Lymphomas 269

Lymphomas/Adj. t 0.00388

Mendocino County

Total disch	41,180
- Newborns	4,429
- Deliveries	4,397
Adj. total	32,354

Lymphomas 151

Lymphomas/Adj. tot 0.00467

RATIOS for Lymphomas

Lompoc / Santa Barbara - Lompoc	0.812442
Lompoc / San Luis Obispo County	0.946074
Lompoc / Humboldt & Del Norte Co	1.013445
Lompoc / Ventura Co	0.805730
Lompoc / Mendocino Co	0.787083

Panel 2 – Statistical support for Proportional Morbidity Analysis Spreadsheet

Five comparisons: 1) SB-Lompoc; 2) SLO; 3); Hum+Del N; 4) Ventura; & 5) Mendocino

Panel 2a – Definitions and summary, DRG’s

DRG DISCHARGE CATEGORIES	Lompoc	SB-Lompoc	SLO Co.	Ventura Co	Mendocino	Hum&Del N
Bronchitis and asthma	602	1,560	1,390	5,104	706	1,185
Interstitial lung disease	24	89	43	136	22	39
Otitis media and URD	61	238	207	517	68	116
Abnormal birth outcomes	1,077	4,006	2,965	17,600	1,658	1,892
Non-therapeutic abortions	29	179	184	757	24	77
Female reproductive malignancy	37	201	113	348	59	89
Pleurisy and pneumonia	474	2,811	2,381	5,617	1,175	1,848
Kidney neoplasm	34	210	147	360	51	88
Male reproductive malignancy	6	30	37	50	10	13
Myeloproliferative disease	15	97	65	197	31	27
Nervous system malignancy	35	255	197	431	71	111
Female breast cancer	98	651	502	1,307	201	297
Respiratory malignancy	68	426	349	888	208	220
Seizures and headaches	114	895	798	1,698	226	364
Digestive cancer	22	238	131	393	75	86
Chronic obstructive pul. Disease	126	968	788	2,089	457	782
Respiratory infection and inflamm	88	777	559	1,936	414	591
Lymphomas	53	410	269	886	151	194

Panel 2b – Adjusted total discharges

ADJUSTED DISCHARGES	Lompoc	SB-Lompoc	SLO Co.	Ventura Co	Mendocino	Hum&Del N
Total (adj for births & deliveries)	14,428	90,679	69,280	194,336	32,354	53,522
Total, males (adj. for births)#	7,165	41,576	32,625	88,658	14,830	25,500
Total females (adj. births&del)	7,259	49,098	36,652	105,659	17,523	28,022
Total newborns	3,361	21,446	10,733	48,860	4,429	7,819
Total male newborns	1,713	10,909	5,512	24,740	2,270	4,001
Total female newborns	1,648	10,535	5,221	24,119	2,157	3,818

There are some NA’s on sex.

Panel 2c – Statistical tables

1) Bronch & asthma

+ Disease - Analysis of Single Table
+-----+-----+ Odds ratio = 2.43 (2.20 <OR< 2.67)
+| 602 | 14428 | 15030 Cornfield 95% confidence limits for OR
+-----+-----+ Relative risk = 2.37 (2.16 <RR< 2.60)
-| 1560 | 90679 | 92239 Taylor Series 95% confidence limits for RR
+-----+-----+ Ignore relative risk if case control study.
E 2162 105107 107269
x Chi-Squares P-values
P -----
o Uncorrected : 350.44 0.0000000 ---
s Mantel-Haenszel: 350.43 0.0000000 ---
u Yates corrected: 349.27 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 602 | 14428 | 15030
+-----+-----+
-| 1390 | 69280 | 70670
+-----+-----+
E 1992 83708 85700
x
P
o
s
u
e
Analysis of Single Table
Odds ratio = 2.08 (1.88 <OR< 2.29)
Cornfield 95% confidence limits for OR
Relative risk = 2.04 (1.85 <RR< 2.24)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 226.84 0.0000000 ---
Mantel-Haenszel: 226.83 0.0000000 ---
Yates corrected: 225.94 0.0000000 ---
F2 More Strata; <Enter> No More Strata; F10 Quit

```

```

+ Disease -
+-----+-----+
+| 602 | 14428 | 15030
+-----+-----+
-| 1185 | 53522 | 54707
+-----+-----+
E 1787 67950 69737
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.88 (1.70 <OR< 2.08)
Cornfield 95% confidence limits for OR
Relative risk = 1.85 (1.68 <RR< 2.04)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 159.74 0.0000000 ---
Mantel-Haenszel: 159.74 0.0000000 ---
Yates corrected: 159.01 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 14428 | 15030
+-----+-----+
-| 5104 | 194336 | 199440
+-----+-----+
E 5706 208764 214470
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.59 (1.46 <OR< 1.73)
Cornfield 95% confidence limits for OR
Relative risk = 1.57 (1.44 <RR< 1.70)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 112.87 0.0000000 ---
Mantel-Haenszel: 112.87 0.0000000 ---
Yates corrected: 112.31 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 14428 | 15030
+-----+-----+
-| 706 | 32354 | 33060
+-----+-----+
E 1308 46782 48090
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.91 (1.71 <OR< 2.14)
Cornfield 95% confidence limits for OR
Relative risk = 1.88 (1.69 <RR< 2.09)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 136.53 0.0000000 ---
Mantel-Haenszel: 136.53 0.0000000 ---
Yates corrected: 135.82 0.0000000 ---

```

2) Interstitial lung disease.

```

+ Disease -
+-----+-----+
+| 24 | 14428 | 14452
+-----+-----+
-| 89 | 90679 | 90768
+-----+-----+
E 113 105107 105220
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.69 (1.05 <OR< 2.71)
Cornfield 95% confidence limits for OR
Relative risk = 1.69 (1.08 <RR< 2.66)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.38 0.0204161 ---
Mantel-Haenszel: 5.38 0.0204167 ---
Yates corrected: 4.76 0.0291176 ---

```

```

+ Disease -
+-----+-----+
+| 24 | 14428 | 14452
+-----+-----+
-| 43 | 69280 | 69323
+-----+-----+
E 67 83708 83775
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.68 (1.58 <OR< 4.53)
Cornfield 95% confidence limits for OR
Relative risk = 2.68 (1.63 <RR< 4.41)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 16.20 0.0000570 ---
Mantel-Haenszel: 16.20 0.0000571 ---
Yates corrected: 14.92 0.0001120 ---

```

```

+ Disease -
+-----+-----+
+| 24 | 14428 | 14452
+-----+-----+
-| 39 | 53522 | 53561
+-----+-----+
E 63 67950 68013
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.28 (1.33 <OR< 3.90)
Cornfield 95% confidence limits for OR
Relative risk = 2.28 (1.37 <RR< 3.79)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 10.69 0.0010745 ---
Mantel-Haenszel: 10.69 0.0010746 ---
Yates corrected: 9.71 0.0018321 ---

```

```

+ Disease -
+-----+-----+
+| 24 | 14428 | 14452
+-----+-----+
-| 136 | 194336 | 194472
+-----+-----+
E 160 208764 208924
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.38 (1.50 <OR< 3.73)
Cornfield 95% confidence limits for OR
Relative risk = 2.37 (1.54 <RR< 3.66)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 16.25 0.0000556 ---
Mantel-Haenszel: 16.25 0.0000556 ---
Yates corrected: 15.01 0.0001067 ---

```

```

+ Disease -
+-----+-----+
+| 24 | 14428 | 14452
+-----+-----+
-| 22 | 32354 | 32376
+-----+-----+
E 46 46782 46828
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.45 (1.32 <OR< 4.53)
Cornfield 95% confidence limits for OR
Relative risk = 2.44 (1.37 <RR< 4.36)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 9.80 0.0017437 ---
Mantel-Haenszel: 9.80 0.0017439 ---
Yates corrected: 8.83 0.0029677 ---

```

3) Otitis media & urd

```

+ Disease -
+-----+-----+
+| 61 | 14428 | 14489
+-----+-----+
-| 238 | 90679 | 90917
+-----+-----+
E 299 105107 105406
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.61 (1.20 <OR< 2.15)
Cornfield 95% confidence limits for OR
Relative risk = 1.61 (1.21 <RR< 2.13)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 11.20 0.0008170 ---
Mantel-Haenszel: 11.20 0.0008170 ---
Yates corrected: 10.65 0.0011029 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 14428 | 14489
+-----+-----+
-| 207 | 69280 | 69487
+-----+-----+
E 268 83708 83976
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.42 (1.05 <OR< 1.90)
Cornfield 95% confidence limits for OR
Relative risk = 1.41 (1.06 <RR< 1.88)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.71 0.0168487 ---
Mantel-Haenszel: 5.71 0.0168493 ---
Yates corrected: 5.33 0.0209419 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 14428 | 14489
+-----+-----+
-| 116 | 53522 | 53638
+-----+-----+
E 177 67950 68127
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.95 (1.41 <OR< 2.69)
Cornfield 95% confidence limits for OR
Relative risk = 1.95 (1.43 <RR< 2.65)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 18.45 0.0000174 ---
Mantel-Haenszel: 18.45 0.0000174 ---
Yates corrected: 17.67 0.0000262 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 14428 | 14489
+-----+-----+
-| 517 | 194336 | 194853
+-----+-----+
E 578 208764 209342
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.59 (1.21 <OR< 2.09)
Cornfield 95% confidence limits for OR
Relative risk = 1.59 (1.22 <RR< 2.07)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 11.87 0.0005701 ---
Mantel-Haenszel: 11.87 0.0005702 ---
Yates corrected: 11.31 0.0007699 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 14428 | 14489
+-----+-----+
-| 68 | 32354 | 32422
+-----+-----+
E 129 46782 46911
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.01 (1.40 <OR< 2.88)
Cornfield 95% confidence limits for OR
Relative risk = 2.01 (1.42 <RR< 2.83)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 16.30 0.0000541 ---
Mantel-Haenszel: 16.30 0.0000541 ---
Yates corrected: 15.54 0.0000808 ---

```

4) Abnormal birth outcomes

```

+ Disease -
+-----+-----+
+| 1077 | 3361 | 4438
+-----+-----+
-| 4006 | 21446 | 25452
+-----+-----+
E 5083 24807 29890
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.72 (1.59 <OR< 1.85)
Cornfield 95% confidence limits for OR
Relative risk = 1.54 (1.45 <RR< 1.64)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 194.74 0.0000000 ---
Mantel-Haenszel: 194.74 0.0000000 ---
Yates corrected: 194.14 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 3361 | 4438
+-----+-----+
-| 2965 | 10733 | 13698
+-----+-----+
E 4042 14094 18136
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.16 (1.07 <OR< 1.26)
Cornfield 95% confidence limits for OR
Relative risk = 1.12 (1.05 <RR< 1.19)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 13.31 0.0002644 ---
Mantel-Haenszel: 13.31 0.0002645 ---
Yates corrected: 13.16 0.0002866 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 3361 | 4438
+-----+-----+
-| 1892 | 7819 | 9711
+-----+-----+
E 2969 11180 14149
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.32 (1.22 <OR< 1.44)
Cornfield 95% confidence limits for OR
Relative risk = 1.25 (1.17 <RR< 1.33)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 42.06 0.0000000 ---
Mantel-Haenszel: 42.05 0.0000000 ---
Yates corrected: 41.77 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 3361 | 4438
+-----+-----+
-| 17600 | 48860 | 66460
+-----+-----+
E 18677 52221 70898
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.89 (0.83 <OR< 0.96)
Cornfield 95% confidence limits for OR
Relative risk = 0.92 (0.87 <RR< 0.97)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 10.51 0.0011851 ---
Mantel-Haenszel: 10.51 0.0011852 ---
Yates corrected: 10.40 0.0012604 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 3361 | 4438
+-----+-----+
-| 1658 | 4429 | 6087
+-----+-----+
E 2735 7790 10525
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.86 (0.78 <OR< 0.94)
Cornfield 95% confidence limits for OR
Relative risk = 0.89 (0.83 <RR< 0.95)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 11.78 0.0005997 ---
Mantel-Haenszel: 11.78 0.0006001 ---
Yates corrected: 11.62 0.0006514 ---

```

5) Non-therapeutic abortions

```

+ Disease -
+-----+-----+
+| 29 | 3361 | 3390
+-----+-----+
-| 179 | 21446 | 21625
+-----+-----+
E 208 24807 25015
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.03 (0.68 <OR< 1.56)
Cornfield 95% confidence limits for OR
Relative risk = 1.03 (0.70 <RR< 1.53)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.03 0.8687835
Mantel-Haenszel: 0.03 0.8687861
Yates corrected: 0.00 0.9493751

```

```

+ Disease -
+-----+-----+
+| 29 | 3361 | 3390
+-----+-----+
-| 184 | 10733 | 10917
+-----+-----+
E 213 14094 14307
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.50 (0.33 <OR< 0.76)
Cornfield 95% confidence limits for OR
Relative risk = 0.51 (0.34 <RR< 0.75)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 12.15 0.0004908 ---
Mantel-Haenszel: 12.15 0.0004911 ---
Yates corrected: 11.59 0.0006628 ---

```

```

+ Disease -
+-----+-----+
+| 29 | 3361 | 3390
+-----+-----+
-| 77 | 7819 | 7896
+-----+-----+
E 106 11180 11286
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.88 (0.56 <OR< 1.37)
Cornfield 95% confidence limits for OR
Relative risk = 0.88 (0.57 <RR< 1.34)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.37 0.5455388
Mantel-Haenszel: 0.37 0.5455566
Yates corrected: 0.25 0.6184705

```

```

+ Disease -
+-----+-----+
+| 29 | 3361 | 3390
+-----+-----+
-| 757 | 48860 | 49617
+-----+-----+
E 786 52221 53007
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.56 (0.38 <OR< 0.82)
Cornfield 95% confidence limits for OR
Relative risk = 0.56 (0.39 <RR< 0.81)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 9.76 0.0017858 ---
Mantel-Haenszel: 9.76 0.0017860 ---
Yates corrected: 9.30 0.0022863 ---

```

```

+ Disease -
+-----+-----+
+| 29 | 3361 | 3390
+-----+-----+
-| 24 | 4429 | 4453
+-----+-----+
E 53 7790 7843
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.59 (0.90 <OR< 2.83)
Cornfield 95% confidence limits for OR
Relative risk = 1.59 (0.93 <RR< 2.72)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.87 0.0901069
Mantel-Haenszel: 2.87 0.0901275
Yates corrected: 2.42 0.1197739

```

6) Female reproductive malignancy

```

+ Disease -
+-----+-----+
+| 37 | 7259 | 7296
+-----+-----+
-| 201 | 49098 | 49299
+-----+-----+
E 238 56357 56595
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.25 (0.86 <OR< 1.79)
Cornfield 95% confidence limits for OR
Relative risk = 1.24 (0.88 <RR< 1.76)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.50 0.2206959
Mantel-Haenszel: 1.50 0.2206999
Yates corrected: 1.27 0.2594213

```

```

+ Disease -
+-----+-----+
+| 37 | 7259 | 7296
+-----+-----+
-| 113 | 36652 | 36765
+-----+-----+
E 150 43911 44061
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.65 (1.12 <OR< 2.43)
Cornfield 95% confidence limits for OR
Relative risk = 1.65 (1.14 <RR< 2.39)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.16 0.0074509 ---
Mantel-Haenszel: 7.16 0.0074516 ---
Yates corrected: 6.58 0.0102888 ---

```

```

+ Disease -
+-----+-----+
+| 37 | 7259 | 7296
+-----+-----+
-| 89 | 28022 | 28111
+-----+-----+
E 126 35281 35407
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.60 (1.07 <OR< 2.39)
Cornfield 95% confidence limits for OR
Relative risk = 1.60 (1.09 <RR< 2.35)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.93 0.0148865 ---
Mantel-Haenszel: 5.93 0.0148880 ---
Yates corrected: 5.40 0.0200824 ---

```

```

+ Disease -
+-----+-----+
+| 37 | 7259 | 7296
+-----+-----+
-| 348 | 105659 | 106007
+-----+-----+
E 385 112918 113303
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.55 (1.08 <OR< 2.20)
Cornfield 95% confidence limits for OR
Relative risk = 1.54 (1.10 <RR< 2.17)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.45 0.0111100 ---
Mantel-Haenszel: 6.45 0.0111104 ---
Yates corrected: 5.93 0.0148826 ---

```

```

+ Disease -
+-----+-----+
+| 37 | 7259 | 7296
+-----+-----+
-| 59 | 17523 | 17582
+-----+-----+
E 96 24782 24878
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.51 (0.98 <OR< 2.33)
Cornfield 95% confidence limits for OR
Relative risk = 1.51 (1.00 <RR< 2.28)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.95 0.0469273 ---
Mantel-Haenszel: 3.95 0.0469317 ---
Yates corrected: 3.51 0.0608413

```

7) Pleurisy and pneumonia

```

+ Disease -
+-----+-----+
+| 474 | 14428 | 14902
+-----+-----+
-| 2811 | 90679 | 93490
+-----+-----+
E 3285 105107 108392
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.06 (0.96 <OR< 1.17)
Cornfield 95% confidence limits for OR
Relative risk = 1.06 (0.96 <RR< 1.16)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.32 0.2497325
Mantel-Haenszel: 1.32 0.2497347
Yates corrected: 1.27 0.2604734

```

```

+ Disease -
+-----+-----+
+| 474 | 14428 | 14902
+-----+-----+
-| 2381 | 69280 | 71661
+-----+-----+
E 2855 83708 86563
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.96 (0.86 <OR< 1.06)
Cornfield 95% confidence limits for OR
Relative risk = 0.96 (0.87 <RR< 1.05)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.78 0.3778065
Mantel-Haenszel: 0.78 0.3778092
Yates corrected: 0.73 0.3915895

```

```

+ Disease -
+-----+-----+
+| 474 | 14428 | 14902
+-----+-----+
-| 1848 | 53522 | 55370
+-----+-----+
E 2322 67950 70272
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.95 (0.86 <OR< 1.06)
Cornfield 95% confidence limits for OR
Relative risk = 0.95 (0.86 <RR< 1.05)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.90 0.3419411
Mantel-Haenszel: 0.90 0.3419445
Yates corrected: 0.85 0.3552142

```

```

+ Disease -
+-----+-----+
+| 474 | 14428 | 14902
+-----+-----+
-| 5617 | 194336 | 199953
+-----+-----+
E 6091 208764 214855
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.14 (1.03 <OR< 1.25)
Cornfield 95% confidence limits for OR
Relative risk = 1.13 (1.03 <RR< 1.24)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 6.95 0.0083677 ---
Mantel-Haenszel: 6.95 0.0083679 ---
Yates corrected: 6.82 0.0090204 ---

```

```

+ Disease -
+-----+-----+
+| 474 | 14428 | 14902
+-----+-----+
-| 1175 | 32354 | 33529
+-----+-----+
E 1649 46782 48431
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.90 (0.81 <OR< 1.01)
Cornfield 95% confidence limits for OR
Relative risk = 0.91 (0.82 <RR< 1.01)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 3.29 0.0698836
Mantel-Haenszel: 3.29 0.0698865
Yates corrected: 3.19 0.0741770

```

8) Kidney neoplasm

```

+ Disease -
+-----+-----+
+| 34 | 14428 | 14462
+-----+-----+
-| 210 | 90679 | 90889
+-----+-----+
E 244 105107 105351
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.02 (0.70 <OR< 1.48)
Cornfield 95% confidence limits for OR
Relative risk = 1.02 (0.71 <RR< 1.46)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 0.01 0.9250625
Mantel-Haenszel: 0.01 0.9250628
Yates corrected: 0.00 0.9992517

```

```

+ Disease -
+-----+-----+
+| 34 | 14428 | 14462
+-----+-----+
-| 147 | 69280 | 69427
+-----+-----+
E 181 83708 83889
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.11 (0.75 <OR< 1.64)
Cornfield 95% confidence limits for OR
Relative risk = 1.11 (0.76 <RR< 1.61)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 0.30 0.5816901
Mantel-Haenszel: 0.30 0.5816923
Yates corrected: 0.20 0.6509664

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  34 | 14428 | 14462   Odds ratio = 1.43 (0.95 <OR< 2.16)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  88 | 53522 | 53610   Relative risk = 1.43 (0.96 <RR< 2.13)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 122  67950  68072   Ignore relative risk if case control study.
x
p
o
s
u
                Chi-Squares  P-values
                -----  -----
                Uncorrected  :  3.20  0.0734218
                Mantel-Haenszel:  3.20  0.0734239
                Yates corrected:  2.82  0.0930677

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  34 | 14428 | 14462   Odds ratio = 1.27 (0.88 <OR< 1.83)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 360 |194336 |194696   Relative risk = 1.27 (0.89 <RR< 1.81)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 394 208764 209158   Ignore relative risk if case control study.
x
p
o
s
u
                Chi-Squares  P-values
                -----  -----
                Uncorrected  :  1.80  0.1792314
                Mantel-Haenszel:  1.80  0.1792325
                Yates corrected:  1.55  0.2135945

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  34 | 14428 | 14462   Odds ratio = 1.49 (0.95 <OR< 2.36)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  51 | 32354 | 32405   Relative risk = 1.49 (0.97 <RR< 2.30)
+-----+-----+   Taylor Series 95% confidence limits for RR
E  85  46782  46867   Ignore relative risk if case control study.
x
p
o
s
u
                Chi-Squares  P-values
                -----  -----
                Uncorrected  :  3.34  0.0677786
                Mantel-Haenszel:  3.34  0.0677815
                Yates corrected:  2.92  0.0874586

```

9) Male reproductive malignancy

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|   6 |  7165 |  7171   Odds ratio = 1.16 (0.43 <OR< 2.92*)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  30 | 41576 | 41606   *Cornfield not accurate. Exact limits preferred.
+-----+-----+   Relative risk = 1.16 (0.48 <RR< 2.79)
E  36  48741  48777   Taylor Series 95% confidence limits for RR
                        Ignore relative risk if case control study.
x
p
o
s
u
r
                Chi-Squares  P-values
                -----  -----
                Uncorrected  :  0.11  0.7390813
                Mantel-Haenszel:  0.11  0.7390838
                Yates corrected:  0.01  0.9222027

```

```

+ Disease -
+-----+-----+
+| 6 | 7165 | 7171
+-----+-----+
-| 37 | 32625 | 32662
+-----+-----+
E 43 39790 39833
x
p
o
s
u
r

```

Analysis of Single Table
Odds ratio = 0.74 (0.28 <OR< 1.83*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 0.74 (0.31 <RR< 1.75)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected :	0.48	0.4892767
Mantel-Haenszel:	0.48	0.4892822
Yates corrected:	0.24	0.6220868

```

+ Disease -
+-----+-----+
+| 6 | 7165 | 7171
+-----+-----+
-| 13 | 25500 | 25513
+-----+-----+
E 19 32665 32684
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 1.64 (0.56 <OR< 4.62*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 1.64 (0.62 <RR< 4.32)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected :	1.03	0.3098683
Mantel-Haenszel:	1.03	0.3098757
Yates corrected:	0.54	0.4603683
Fisher exact: 1-tailed P-value:	0.2230262	
2-tailed P-value:	0.2802840	

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 6 | 7165 | 7171
+-----+-----+
-| 50 | 88658 | 88708
+-----+-----+
E 56 95823 95879
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 1.48 (0.57 <OR< 3.60*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 1.48 (0.64 <RR< 3.46)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected :	0.85	0.3572754
Mantel-Haenszel:	0.85	0.3572779
Yates corrected:	0.44	0.5050927
Fisher exact: 1-tailed P-value:	0.2395850	
2-tailed P-value:	0.3106313	

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 6 | 7165 | 7171
+-----+-----+
-| 10 | 14830 | 14840
+-----+-----+
E 16 21995 22011
x
p
o
s
u
r

```

Analysis of Single Table
Odds ratio = 1.24 (0.40 <OR< 3.70*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 1.24 (0.45 <RR< 3.42)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

Chi-Squares P-values
-----
Uncorrected : 0.18 0.6743863
Mantel-Haenszel: 0.18 0.6743932
Yates corrected: 0.02 0.8781408

```

10) Myeloproliferative disease

```

+ Disease -
+-----+-----+
+| 15 | 14428 | 14443
+-----+-----+
-| 97 | 90679 | 90776
+-----+-----+
E 112 105107 105219
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.97 (0.54 <OR< 1.72)
Cornfield 95% confidence limits for OR
Relative risk = 0.97 (0.56 <RR< 1.67)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

Chi-Squares P-values
-----
Uncorrected : 0.01 0.9182062
Mantel-Haenszel: 0.01 0.9182066
Yates corrected: 0.00 0.9723427

```

```

+ Disease -
+-----+-----+
+| 15 | 14428 | 14443
+-----+-----+
-| 65 | 69280 | 69345
+-----+-----+
E 80 83708 83788
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.11 (0.61 <OR< 2.00)
Cornfield 95% confidence limits for OR
Relative risk = 1.11 (0.63 <RR< 1.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

Chi-Squares P-values
-----
Uncorrected : 0.13 0.7200993
Mantel-Haenszel: 0.13 0.7201009
Yates corrected: 0.04 0.8334707

```

```

+ Disease -
+-----+-----+
+| 15 | 14428 | 14443
+-----+-----+
-| 27 | 53522 | 53549
+-----+-----+
E 42 67950 67992
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.06 (1.05 <OR< 4.02)
Cornfield 95% confidence limits for OR
Relative risk = 2.06 (1.10 <RR< 3.87)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

Chi-Squares P-values
-----
Uncorrected : 5.26 0.0218057 ---
Mantel-Haenszel: 5.26 0.0218067 ---
Yates corrected: 4.43 0.0352868 ---

```

```

+ Disease -
+-----+-----+
+| 15 | 14428 | 14443
+-----+-----+
-| 197 | 194336 | 194533
+-----+-----+
E 212 208764 208976
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.03 (0.58 <OR< 1.77)
Cornfield 95% confidence limits for OR
Relative risk = 1.03 (0.61 <RR< 1.73)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 0.01 0.9248893
Mantel-Haenszel: 0.01 0.9248894
Yates corrected: 0.00 0.9671542

```

```

+ Disease -
+-----+-----+
+| 15 | 14428 | 14443
+-----+-----+
-| 31 | 32354 | 32385
+-----+-----+
E 46 46782 46828
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.09 (0.56 <OR< 2.08)
Cornfield 95% confidence limits for OR
Relative risk = 1.08 (0.59 <RR< 2.01)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 0.07 0.7952680
Mantel-Haenszel: 0.07 0.7952701
Yates corrected: 0.01 0.9205235

```

11) Nervous system malignancy

```

+ Disease -
+-----+-----+
+| 35 | 14428 | 14463
+-----+-----+
-| 255 | 90679 | 90934
+-----+-----+
E 290 105107 105397
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.86 (0.60 <OR< 1.24)
Cornfield 95% confidence limits for OR
Relative risk = 0.86 (0.61 <RR< 1.23)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 0.67 0.4125316
Mantel-Haenszel: 0.67 0.4125338
Yates corrected: 0.54 0.4629499

```

```

+ Disease -
+-----+-----+
+| 35 | 14428 | 14463
+-----+-----+
-| 197 | 69280 | 69477
+-----+-----+
E 232 83708 83940
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.85 (0.59 <OR< 1.24)
Cornfield 95% confidence limits for OR
Relative risk = 0.85 (0.60 <RR< 1.22)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 0.75 0.3865311
Mantel-Haenszel: 0.75 0.3865340
Yates corrected: 0.61 0.4360505

```

```

+ Disease -
+-----+-----+
+| 35 | 14428 | 14463
+-----+-----+
-| 111 | 53522 | 53633
+-----+-----+
E 146 67950 68096
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.17 (0.78 <OR< 1.74)
Cornfield 95% confidence limits for OR
Relative risk = 1.17 (0.80 <RR< 1.71)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.65 0.4188530
Mantel-Haenszel: 0.65 0.4188565
Yates corrected: 0.50 0.4794858

```

```

+ Disease -
+-----+-----+
+| 35 | 14428 | 14463
+-----+-----+
-| 431 | 194336 | 194767
+-----+-----+
E 466 208764 209230
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.09 (0.76 <OR< 1.56)
Cornfield 95% confidence limits for OR
Relative risk = 1.09 (0.78 <RR< 1.54)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.26 0.6102816
Mantel-Haenszel: 0.26 0.6102825
Yates corrected: 0.17 0.6757566

```

```

+ Disease -
+-----+-----+
+| 35 | 14428 | 14463
+-----+-----+
-| 71 | 32354 | 32425
+-----+-----+
E 106 46782 46888
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.11 (0.72 <OR< 1.69)
Cornfield 95% confidence limits for OR
Relative risk = 1.11 (0.74 <RR< 1.66)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.24 0.6277085
Mantel-Haenszel: 0.24 0.6277122
Yates corrected: 0.14 0.7041789

```

12) Female breast cancer

```

+ Disease -
+-----+-----+
+| 98 | 7259 | 7357
+-----+-----+
-| 651 | 49098 | 49749
+-----+-----+
E 749 56357 57106
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.02 (0.82 <OR< 1.27)
Cornfield 95% confidence limits for OR
Relative risk = 1.02 (0.82 <RR< 1.26)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.03 0.8686827
Mantel-Haenszel: 0.03 0.8686839
Yates corrected: 0.01 0.9120631

```

```

+ Disease -
+-----+-----+
+| 98 | 7259 | 7357
+-----+-----+
-| 502 | 36652 | 37154
+-----+-----+
E 600 43911 44511
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.99 (0.79 <OR< 1.23)
Cornfield 95% confidence limits for OR
Relative risk = 0.99 (0.80 <RR< 1.22)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.02 0.8968984
Mantel-Haenszel: 0.02 0.8968996
Yates corrected: 0.01 0.9408106

```

```

+ Disease -
+-----+-----+
+| 98 | 7259 | 7357
+-----+-----+
-| 297 | 28022 | 28319
+-----+-----+
E 395 35281 35676
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.27 (1.01 <OR< 1.61)
Cornfield 95% confidence limits for OR
Relative risk = 1.27 (1.01 <RR< 1.59)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.28 0.0385493 ---
Mantel-Haenszel: 4.28 0.0385520 ---
Yates corrected: 4.03 0.0448096 ---

```

```

+ Disease -
+-----+-----+
+| 98 | 7259 | 7357
+-----+-----+
-| 1307 | 105659 | 106966
+-----+-----+
E 1405 112918 114323
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.09 (0.88 <OR< 1.35)
Cornfield 95% confidence limits for OR
Relative risk = 1.09 (0.89 <RR< 1.34)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.69 0.4067015
Mantel-Haenszel: 0.69 0.4067036
Yates corrected: 0.60 0.4383317

```

```

+ Disease -
+-----+-----+
+| 98 | 7259 | 7357
+-----+-----+
-| 201 | 17523 | 17724
+-----+-----+
E 299 24782 25081
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.18 (0.92 <OR< 1.51)
Cornfield 95% confidence limits for OR
Relative risk = 1.17 (0.92 <RR< 1.49)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.73 0.1883476
Mantel-Haenszel: 1.73 0.1883564
Yates corrected: 1.57 0.2107193

```

13) Respiratory malignancy

```

+ Disease -
+-----+-----+
+| 68 | 14428 | 14496
+-----+-----+
-| 426 | 90679 | 91105
+-----+-----+
E 494 105107 105601
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.00 (0.77 <OR< 1.31)
Cornfield 95% confidence limits for OR
Relative risk = 1.00 (0.78 <RR< 1.30)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.00 0.9803535
Mantel-Haenszel: 0.00 0.9803536
Yates corrected: 0.00 0.9673773

```

```

+ Disease -
+-----+-----+
+| 68 | 14428 | 14496
+-----+-----+
-| 349 | 69280 | 69629
+-----+-----+
E 417 83708 84125
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.94 (0.71 <OR< 1.22)
Cornfield 95% confidence limits for OR
Relative risk = 0.94 (0.72 <RR< 1.21)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.25 0.6162543
Mantel-Haenszel: 0.25 0.6162563
Yates corrected: 0.19 0.6627134

```

```

+ Disease -
+-----+-----+
+| 68 | 14428 | 14496
+-----+-----+
-| 220 | 53522 | 53742
+-----+-----+
E 288 67950 68238
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.15 (0.86 <OR< 1.52)
Cornfield 95% confidence limits for OR
Relative risk = 1.15 (0.87 <RR< 1.50)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.97 0.3248785
Mantel-Haenszel: 0.97 0.3248821
Yates corrected: 0.83 0.3616115

```

```

+ Disease -
+-----+-----+
+| 68 | 14428 | 14496
+-----+-----+
-| 888 | 194336 | 195224
+-----+-----+
E 956 208764 209720
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.03 (0.80 <OR< 1.33)
Cornfield 95% confidence limits for OR
Relative risk = 1.03 (0.81 <RR< 1.32)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.06 0.8061160
Mantel-Haenszel: 0.06 0.8061165
Yates corrected: 0.03 0.8559419

```

```

+ Disease -
+-----+-----+
+| 68 | 14428 | 14496
+-----+-----+
-| 208 | 32354 | 32562
+-----+-----+
E 276 46782 47058
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.73 (0.55 <OR< 0.97)
Cornfield 95% confidence limits for OR
Relative risk = 0.73 (0.56 <RR< 0.96)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.95 0.0260401 ---
Mantel-Haenszel: 4.95 0.0260417 ---
Yates corrected: 4.67 0.0307547 ---

```

14) Seizures and headaches

```

+ Disease -
+-----+-----+
+| 114 | 14428 | 14542
+-----+-----+
-| 895 | 90679 | 91574
+-----+-----+
E 1009 105107 106116
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.80 (0.65 <OR< 0.98)
Cornfield 95% confidence limits for OR
Relative risk = 0.80 (0.66 <RR< 0.97)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.98 0.0255728 ---
Mantel-Haenszel: 4.98 0.0255735 ---
Yates corrected: 4.78 0.0287683 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 14428 | 14542
+-----+-----+
-| 798 | 69280 | 70078
+-----+-----+
E 912 83708 84620
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.69 (0.56 <OR< 0.84)
Cornfield 95% confidence limits for OR
Relative risk = 0.69 (0.57 <RR< 0.84)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 14.22 0.0001627 ---
Mantel-Haenszel: 14.22 0.0001627 ---
Yates corrected: 13.89 0.0001940 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 14428 | 14542
+-----+-----+
-| 364 | 53522 | 53886
+-----+-----+
E 478 67950 68428
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.16 (0.94 <OR< 1.44)
Cornfield 95% confidence limits for OR
Relative risk = 1.16 (0.94 <RR< 1.43)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.94 0.1635413
Mantel-Haenszel: 1.94 0.1635444
Yates corrected: 1.79 0.1811706

```

```

+ Disease -
+-----+-----+
+| 114 | 14428 | 14542
+-----+-----+
-| 1698 | 194336 | 196034
+-----+-----+
E 1812 208764 210576
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.90 (0.74 <OR< 1.10)
Cornfield 95% confidence limits for OR
Relative risk = 0.91 (0.75 <RR< 1.09)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 1.07 0.3002031
Mantel-Haenszel: 1.07 0.3002043
Yates corrected: 0.98 0.3224325

```

```

+ Disease -
+-----+-----+
+| 114 | 14428 | 14542
+-----+-----+
-| 226 | 32354 | 32580
+-----+-----+
E 340 46782 47122
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.13 (0.90 <OR< 1.43)
Cornfield 95% confidence limits for OR
Relative risk = 1.13 (0.90 <RR< 1.41)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 1.14 0.2849212
Mantel-Haenszel: 1.14 0.2849264
Yates corrected: 1.02 0.3122976

```

15) Digestive cancer

```

+ Disease -
+-----+-----+
+| 22 | 14428 | 14450
+-----+-----+
-| 238 | 90679 | 90917
+-----+-----+
E 260 105107 105367
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.58 (0.37 <OR< 0.91)
Cornfield 95% confidence limits for OR
Relative risk = 0.58 (0.38 <RR< 0.90)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 6.08 0.0136981 ---
Mantel-Haenszel: 6.08 0.0136985 ---
Yates corrected: 5.64 0.0175570 ---

```

```

+ Disease -
+-----+-----+
+| 22 | 14428 | 14450
+-----+-----+
-| 131 | 69280 | 69411
+-----+-----+
E 153 83708 83861
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.81 (0.50 <OR< 1.29)
Cornfield 95% confidence limits for OR
Relative risk = 0.81 (0.51 <RR< 1.27)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 0.87 0.3498293
Mantel-Haenszel: 0.87 0.3498322
Yates corrected: 0.69 0.4077922

```

```

+ Disease -
+-----+-----+
+| 22 | 14428 | 14450
+-----+-----+
-| 86 | 53522 | 53608
+-----+-----+
E 108 67950 68058
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.95 (0.58 <OR< 1.55)
Cornfield 95% confidence limits for OR
Relative risk = 0.95 (0.59 <RR< 1.52)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.05 0.8265681
Mantel-Haenszel: 0.05 0.8265694
Yates corrected: 0.01 0.9192626

```

```

+ Disease -
+-----+-----+
+| 22 | 14428 | 14450
+-----+-----+
-| 393 | 194336 | 194729
+-----+-----+
E 415 208764 209179
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.75 (0.48 <OR< 1.18)
Cornfield 95% confidence limits for OR
Relative risk = 0.75 (0.49 <RR< 1.16)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.67 0.1963457
Mantel-Haenszel: 1.67 0.1963468
Yates corrected: 1.43 0.2320283

```

```

+ Disease -
+-----+-----+
+| 22 | 14428 | 14450
+-----+-----+
-| 75 | 32354 | 32429
+-----+-----+
E 97 46782 46879
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.66 (0.40 <OR< 1.08)
Cornfield 95% confidence limits for OR
Relative risk = 0.66 (0.41 <RR< 1.06)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.02 0.0820831
Mantel-Haenszel: 3.02 0.0820863
Yates corrected: 2.65 0.1033829

```

16) COPD

```

+ Disease -
+-----+-----+
+| 126 | 14428 | 14554
+-----+-----+
-| 968 | 90679 | 91647
+-----+-----+
E 1094 105107 106201
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.82 (0.68 <OR< 0.99)
Cornfield 95% confidence limits for OR
Relative risk = 0.82 (0.68 <RR< 0.99)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.47 0.0344960 ---
Mantel-Haenszel: 4.47 0.0344968 ---
Yates corrected: 4.29 0.0384486 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 14428 | 14554
+-----+-----+
-| 788 | 69280 | 70068
+-----+-----+
E 914 83708 84622
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.77 (0.63 <OR< 0.93)
Cornfield 95% confidence limits for OR
Relative risk = 0.77 (0.64 <RR< 0.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 7.56 0.0059707 ---
Mantel-Haenszel: 7.56 0.0059710 ---
Yates corrected: 7.32 0.0068239 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 14428 | 14554
+-----+-----+
-| 782 | 53522 | 54304
+-----+-----+
E 908 67950 68858
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.60 (0.49 <OR< 0.73)
Cornfield 95% confidence limits for OR
Relative risk = 0.60 (0.50 <RR< 0.73)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 29.09 0.0000001 ---
Mantel-Haenszel: 29.09 0.0000001 ---
Yates corrected: 28.65 0.0000001 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 14428 | 14554
+-----+-----+
-| 2089 | 194336 | 196425
+-----+-----+
E 2215 208764 210979
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.81 (0.68 <OR< 0.98)
Cornfield 95% confidence limits for OR
Relative risk = 0.81 (0.68 <RR< 0.97)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 5.10 0.0239040 ---
Mantel-Haenszel: 5.10 0.0239044 ---
Yates corrected: 4.91 0.0266555 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 14428 | 14554
+-----+-----+
-| 457 | 32354 | 32811
+-----+-----+
E 583 46782 47365
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.62 (0.50 <OR< 0.76)
Cornfield 95% confidence limits for OR
Relative risk = 0.62 (0.51 <RR< 0.76)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 23.04 0.0000016 ---
Mantel-Haenszel: 23.04 0.0000016 ---
Yates corrected: 22.61 0.0000020 ---

```

17) Respiratory infection and inflammation

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  88 | 14428 | 14516   Odds ratio = 0.71 (0.57 <OR< 0.89)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  777 | 90679 | 91456   Relative risk = 0.71 (0.57 <RR< 0.89)
+-----+-----+   Taylor Series 95% confidence limits for RR
E  865 | 105107 | 105972   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  9.16  0.0024676 ---
Mantel-Haenszel:  9.16  0.0024678 ---
Yates corrected:  8.87  0.0029048 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  88 | 14428 | 14516   Odds ratio = 0.76 (0.60 <OR< 0.95)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  559 | 69280 | 69839   Relative risk = 0.76 (0.61 <RR< 0.95)
+-----+-----+   Taylor Series 95% confidence limits for RR
E  647 | 83708 | 84355   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  5.95  0.0146832 ---
Mantel-Haenszel:  5.95  0.0146838 ---
Yates corrected:  5.70  0.0169486 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  88 | 14428 | 14516   Odds ratio = 0.55 (0.44 <OR< 0.70)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  591 | 53522 | 54113   Relative risk = 0.56 (0.44 <RR< 0.69)
+-----+-----+   Taylor Series 95% confidence limits for RR
E  679 | 67950 | 68629   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  27.59  0.0000001 ---
Mantel-Haenszel:  27.59  0.0000002 ---
Yates corrected:  27.10  0.0000002 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  88 | 14428 | 14516   Odds ratio = 0.61 (0.49 <OR< 0.76)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 1936 | 194336 | 196272   Relative risk = 0.61 (0.50 <RR< 0.76)
+-----+-----+   Taylor Series 95% confidence limits for RR
E  2024 | 208764 | 210788   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  20.54  0.0000058 ---
Mantel-Haenszel:  20.54  0.0000058 ---
Yates corrected:  20.14  0.0000072 ---

```

```

+ Disease -
+-----+-----+
+| 88 | 14428 | 14516
+-----+-----+
-| 414 | 32354 | 32768
+-----+-----+
E 502 46782 47284
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.48 (0.38 <OR< 0.60)
Cornfield 95% confidence limits for OR
Relative risk = 0.48 (0.38 <RR< 0.60)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 41.36 0.0000000 ---
Mantel-Haenszel: 41.36 0.0000000 ---
Yates corrected: 40.74 0.0000000 ---

```

18) Lymphomas

```

+ Disease -
+-----+-----+
+| 53 | 14428 | 14481
+-----+-----+
-| 410 | 90679 | 91089
+-----+-----+
E 463 105107 105570
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.81 (0.60 <OR< 1.09)
Cornfield 95% confidence limits for OR
Relative risk = 0.81 (0.61 <RR< 1.08)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.02 0.1547824
Mantel-Haenszel: 2.02 0.1547843
Yates corrected: 1.84 0.1753704

```

```

+ Disease -
+-----+-----+
+| 53 | 14428 | 14481
+-----+-----+
-| 269 | 69280 | 69549
+-----+-----+
E 322 83708 84030
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.95 (0.70 <OR< 1.28)
Cornfield 95% confidence limits for OR
Relative risk = 0.95 (0.71 <RR< 1.27)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.14 0.7127052
Mantel-Haenszel: 0.14 0.7127069
Yates corrected: 0.09 0.7685250

```

```

+ Disease -
+-----+-----+
+| 53 | 14428 | 14481
+-----+-----+
-| 194 | 53522 | 53716
+-----+-----+
E 247 67950 68197
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.01 (0.74 <OR< 1.39)
Cornfield 95% confidence limits for OR
Relative risk = 1.01 (0.75 <RR< 1.37)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.01 0.9314554
Mantel-Haenszel: 0.01 0.9314559
Yates corrected: 0.00 0.9935528

```

```

+ Disease -
+-----+-----+
+| 53 | 14428 | 14481
+-----+-----+
-| 886 | 194336 | 195222
+-----+-----+
E 939 208764 209703
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.81 (0.60 <OR< 1.07)
Cornfield 95% confidence limits for OR
Relative risk = 0.81 (0.61 <RR< 1.06)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 2.33 0.1265987
Mantel-Haenszel: 2.33 0.1265996
Yates corrected: 2.14 0.1434252

```

```

+ Disease -
+-----+-----+
+| 53 | 14428 | 14481
+-----+-----+
-| 151 | 32354 | 32505
+-----+-----+
E 204 46782 46986
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.79 (0.57 <OR< 1.09)
Cornfield 95% confidence limits for OR
Relative risk = 0.79 (0.58 <RR< 1.08)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 2.25 0.1335637
Mantel-Haenszel: 2.25 0.1335678
Yates corrected: 2.03 0.1543837

```

Aggregate OR for Pattern Analysis 1
8/26/98

```

+ Disease -
+-----+-----+
+| 602 | 14428 | 15030
+-----+-----+
-| 9945 | 440171 | 450116
+-----+-----+
E 10547 454599 465146
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.85 (1.70 <OR< 2.01)
Cornfield 95% confidence limits for OR
Relative risk = 1.81 (1.67 <RR< 1.97)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 211.68 0.0000000 ---
Mantel-Haenszel: 211.68 0.0000000 ---
Yates corrected: 210.87 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 24 | 14428 | 14452
+-----+-----+
-| 329 |440171 |440500
+-----+-----+
E 353 454599 454952
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.23 (1.44 <OR< 3.42)
Cornfield 95% confidence limits for OR
Relative risk = 2.22 (1.47 <RR< 3.36)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 15.07 0.0001036 ---
Mantel-Haenszel: 15.07 0.0001036 ---
Yates corrected: 13.92 0.0001913 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 14428 | 14489
+-----+-----+
-| 1146 |440171 |441317
+-----+-----+
E 1207 454599 455806
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.62 (1.24 <OR< 2.12)
Cornfield 95% confidence limits for OR
Relative risk = 1.62 (1.25 <RR< 2.10)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 13.83 0.0002006 ---
Mantel-Haenszel: 13.83 0.0002006 ---
Yates corrected: 13.22 0.0002768 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 3361 | 4438
+-----+-----+
-| 28121 | 93287 |121408
+-----+-----+
E 29198 96648 125846
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.06 (0.99 <OR< 1.14)
Cornfield 95% confidence limits for OR
Relative risk = 1.05 (0.99 <RR< 1.10)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 2.94 0.0866514
Mantel-Haenszel: 2.94 0.0866526
Yates corrected: 2.87 0.0900318

```

```

+ Disease -
+-----+-----+
+| 37 | 7259 | 7296
+-----+-----+
-| 810 |236954 |237764
+-----+-----+
E 847 244213 245060
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.49 (1.06 <OR< 2.10)
Cornfield 95% confidence limits for OR
Relative risk = 1.49 (1.07 <RR< 2.07)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 5.69 0.0170207 ---
Mantel-Haenszel: 5.69 0.0170209 ---
Yates corrected: 5.22 0.0223128 ---

```

```

+ Disease -
+-----+-----+
+| 474 | 14428 | 14902
+-----+-----+
-| 13832 | 440171 | 454003
+-----+-----+
E 14306 454599 468905
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.05 (0.95 <OR< 1.15)
Cornfield 95% confidence limits for OR
Relative risk = 1.04 (0.95 <RR< 1.14)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 0.88 0.3489508
Mantel-Haenszel: 0.88 0.3489513
Yates corrected: 0.83 0.3615460

```

```

+ Disease -
+-----+-----+
+| 98 | 7259 | 7357
+-----+-----+
-| 2958 | 236954 | 239912
+-----+-----+
E 3056 244213 247269
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.08 (0.88 <OR< 1.33)
Cornfield 95% confidence limits for OR
Relative risk = 1.08 (0.88 <RR< 1.32)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 0.57 0.4484929
Mantel-Haenszel: 0.57 0.4484938
Yates corrected: 0.50 0.4812060

```

APPENDIX G

STATISTICAL SUPPORT FOR PATTERN ANALYSIS 2: DRG ANALYSIS BY MORBIDITY ODDS RATIO METHOD, LOMPOC VS. COMPARISON COUNTIES; 1991-1994, ALL AGES

CASE REFERENT DATA – CIRCULATORY, DIGESTIVE, AND TRAUMA CONTROLS LOMPOC VERSUS SB-LOM, SLO, VENTURA, MENDOCINO, AND HUMBOLDT+DEL NORTE

Panel 1 – Definitions and summary

<u>DRG DISCHARGE CATEGORIES</u>	<u>Lompoc</u>	<u>SB-Lompoc</u>	<u>SLO Co.</u>	<u>Ventura Co</u>	<u>Mendocino</u>	<u>Hum&Del N</u>
Bronchitis and asthma	602	1,560	1,390	5,104	706	1,185
Interstitial lung disease	24	89	43	136	22	39
Otitis media and URD	61	238	207	517	68	116
Abnormal birth outcomes	1,077	4,006	2,965	17,600	1,658	1,892
Non-therapeutic abortions	29	179	184	757	24	77
Female reproductive malignancy	37	201	113	348	59	89
Pleurisy and pneumonia	474	2,811	2,381	5,617	1,175	1,848
Kidney neoplasm	34	210	147	360	51	88
Male reproductive malignancy	6	30	37	50	10	13
Myeloproliferative disease	15	97	65	197	31	27
Nervous system malignancy	35	255	197	431	71	111
Female breast cancer	98	651	502	1,307	201	297
Respiratory malignancy	68	426	349	888	208	220
Seizures and headaches	114	895	798	1,698	226	364
Digestive cancer	22	238	131	393	75	86
Chronic obstructive pul. Disease	126	968	788	2,089	457	782
Respiratory infectiona nd inflamm	88	777	559	1,936	414	591
Lymphomas	53	410	269	886	151	194

Panel 2 – Morbidity Odds Ratio (MOR) control series

<u>DISEASE ICD-9 CODES</u>	<u>Lompoc</u>	<u>SB-Lompoc</u>	<u>SLO Co.</u>	<u>Ventura Co</u>	<u>Mendocino</u>	<u>Hum&Del N</u>
I. MOR control series						
Circulatory	2,421	14,851	12,594	30,793	5,841	9,548
Digestive	1,469	9,607	7,041	19,726	3,132	5,856
Trauma	1,827	10,855	8,617	23,860	3,555	7,804

Panel 3 – Statistical support

1) Prog 1 – bronchitis and asthma

```

+ Disease -           Analysis of Single Table
+-----+-----+           Odds ratio = 2.37 (2.13 <OR< 2.63)
+| 602 | 2421 | 3023       Cornfield 95% confidence limits for OR
+-----+-----+           Relative risk = 2.09 (1.92 <RR< 2.28)
-| 1560 | 14851 | 16411     Taylor Series 95% confidence limits for RR
+-----+-----+           Ignore relative risk if case control study.
E 2162  17272  19434
x
x                               Chi-Squares  P-values
p                               -----  -----
o                               Uncorrected : 279.70  0.0000000 ---
s                               Mantel-Haenszel: 279.68  0.0000000 ---
u                               Yates corrected: 278.64  0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 1469 | 2071
+-----+-----+
-| 1560 | 9607 | 11167
+-----+-----+
E 2162 11076 13238
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.52 (2.26 <OR< 2.82)
Cornfield 95% confidence limits for OR
Relative risk = 2.08 (1.92 <RR< 2.26)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 291.45 0.0000000 ---
Mantel-Haenszel: 291.42 0.0000000 ---
Yates corrected: 290.34 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 1827 | 2429
+-----+-----+
-| 1560 | 10855 | 12415
+-----+-----+
E 2162 12682 14844
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.29 (2.06 <OR< 2.55)
Cornfield 95% confidence limits for OR
Relative risk = 1.97 (1.81 <RR< 2.14)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 243.73 0.0000000 ---
Mantel-Haenszel: 243.72 0.0000000 ---
Yates corrected: 242.75 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 2421 | 3023
+-----+-----+
-| 1390 | 12594 | 13984
+-----+-----+
E 1992 15015 17007
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.25 (2.03 <OR< 2.51)
Cornfield 95% confidence limits for OR
Relative risk = 2.00 (1.84 <RR< 2.19)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 239.13 0.0000000 ---
Mantel-Haenszel: 239.11 0.0000000 ---
Yates corrected: 238.16 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 1469 | 2071
+-----+-----+
-| 1390 | 7041 | 8431
+-----+-----+
E 1992 8510 10502
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.08 (1.85 <OR< 2.32)
Cornfield 95% confidence limits for OR
Relative risk = 1.76 (1.62 <RR< 1.92)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 171.22 0.0000000 ---
Mantel-Haenszel: 171.21 0.0000000 ---
Yates corrected: 170.41 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 1827 | 2429
+-----+-----+
-| 1390 | 8617 | 10007
+-----+-----+
E 1992 10444 12436
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.04 (1.83 <OR< 2.28)
Cornfield 95% confidence limits for OR
Relative risk = 1.78 (1.64 <RR< 1.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 172.42 0.0000000 ---
Mantel-Haenszel: 172.41 0.0000000 ---
Yates corrected: 171.62 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 2421 | 3023
+-----+-----+
-| 5104 | 30793 | 35897
+-----+-----+
E 5706 33214 38920
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.50 (1.36 <OR< 1.65)
Cornfield 95% confidence limits for OR
Relative risk = 1.40 (1.30 <RR< 1.51)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 72.29 0.0000000 ---
Mantel-Haenszel: 72.29 0.0000000 ---
Yates corrected: 71.84 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 1469 | 2071
+-----+-----+
-| 5104 | 19726 | 24830
+-----+-----+
E 5706 21195 26901
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.58 (1.43 <OR< 1.75)
Cornfield 95% confidence limits for OR
Relative risk = 1.41 (1.32 <RR< 1.52)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 82.88 0.0000000 ---
Mantel-Haenszel: 82.88 0.0000000 ---
Yates corrected: 82.37 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 1827 | 2429
+-----+-----+
-| 5104 | 23860 | 28964
+-----+-----+
E 5706 25687 31393
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.54 (1.40 <OR< 1.70)
Cornfield 95% confidence limits for OR
Relative risk = 1.41 (1.31 <RR< 1.51)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 77.29 0.0000000 ---
Mantel-Haenszel: 77.29 0.0000000 ---
Yates corrected: 76.81 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 2421 | 3023
+-----+-----+
-| 706 | 5841 | 6547
+-----+-----+
E 1308 8262 9570
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.06 (1.82 <OR< 2.32)
Cornfield 95% confidence limits for OR
Relative risk = 1.85 (1.67 <RR< 2.04)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 146.11 0.0000000 ---
Mantel-Haenszel: 146.10 0.0000000 ---
Yates corrected: 145.34 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 1469 | 2071
+-----+-----+
-| 706 | 3132 | 3838
+-----+-----+
E 1308 4601 5909
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.82 (1.60 <OR< 2.06)
Cornfield 95% confidence limits for OR
Relative risk = 1.58 (1.44 <RR< 1.74)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 88.90 0.0000000 ---
Mantel-Haenszel: 88.89 0.0000000 ---
Yates corrected: 88.29 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 1827 | 2429
+-----+-----+
-| 706 | 3555 | 4261
+-----+-----+
E 1308 5382 6690
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.66 (1.47 <OR< 1.88)
Cornfield 95% confidence limits for OR
Relative risk = 1.50 (1.36 <RR< 1.65)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 66.38 0.0000000 ---
Mantel-Haenszel: 66.37 0.0000000 ---
Yates corrected: 65.86 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 2421 | 3023
+-----+-----+
-| 1185 | 9548 | 10733
+-----+-----+
E 1787 11969 13756
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.00 (1.80 <OR< 2.23)
Cornfield 95% confidence limits for OR
Relative risk = 1.80 (1.65 <RR< 1.97)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 164.30 0.0000000 ---
Mantel-Haenszel: 164.29 0.0000000 ---
Yates corrected: 163.52 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 1469 | 2071
+-----+-----+
-| 1185 | 5856 | 7041
+-----+-----+
E 1787 7325 9112
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.03 (1.80 <OR< 2.27)
Cornfield 95% confidence limits for OR
Relative risk = 1.73 (1.59 <RR< 1.88)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 152.03 0.0000000 ---
Mantel-Haenszel: 152.01 0.0000000 ---
Yates corrected: 151.25 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 602 | 1827 | 2429
+-----+-----+
-| 1185 | 7804 | 8989
+-----+-----+
E 1787 9631 11418
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.17 (1.94 <OR< 2.43)
Cornfield 95% confidence limits for OR
Relative risk = 1.88 (1.72 <RR< 2.05)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 194.95 0.0000000 ---
Mantel-Haenszel: 194.94 0.0000000 ---
Yates corrected: 194.08 0.0000000 ---

```

2) PROGRAM 2 – INTERSTITIAL LUNG DISEASE

```

+ Disease -
+-----+-----+
+| 24 | 2421 | 2445
+-----+-----+
-| 89 | 14851 | 14940
+-----+-----+
E 113 17272 17385
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.65 (1.02 <OR< 2.65)
Cornfield 95% confidence limits for OR
Relative risk = 1.65 (1.05 <RR< 2.58)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 4.84 0.0277279 ---
Mantel-Haenszel: 4.84 0.0277324 ---
Yates corrected: 4.27 0.0388876 ---

```

```

+ Disease -
+-----+-----+
+| 24 | 1469 | 1493
+-----+-----+
-| 89 | 9607 | 9696
+-----+-----+
E 113 11076 11189
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.76 (1.09 <OR< 2.83)
Cornfield 95% confidence limits for OR
Relative risk = 1.75 (1.12 <RR< 2.74)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 6.15 0.0131098 ---
Mantel-Haenszel: 6.15 0.0131139 ---
Yates corrected: 5.48 0.0191939 ---

```

```

+ Disease -
+-----+-----+
+| 24 | 1827 | 1851
+-----+-----+
-| 89 | 10855 | 10944
+-----+-----+
E 113 12682 12795
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.60 (0.99 <OR< 2.57)
Cornfield 95% confidence limits for OR
Relative risk = 1.59 (1.02 <RR< 2.50)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.23 0.0398141 ---
Mantel-Haenszel: 4.23 0.0398219 ---
Yates corrected: 3.69 0.0546860

```

```

+ Disease -
+-----+-----+
+| 24 | 2421 | 2445
+-----+-----+
-| 43 | 12594 | 12637
+-----+-----+
E 67 15015 15082
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.90 (1.71 <OR< 4.92)
Cornfield 95% confidence limits for OR
Relative risk = 2.88 (1.75 <RR< 4.74)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 19.05 0.0000127 ---
Mantel-Haenszel: 19.05 0.0000127 ---
Yates corrected: 17.63 0.0000268 ---

```

```

+ Disease -
+-----+-----+
+| 24 | 1469 | 1493
+-----+-----+
-| 43 | 7041 | 7084
+-----+-----+
E 67 8510 8577
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.68 (1.57 <OR< 4.54)
Cornfield 95% confidence limits for OR
Relative risk = 2.65 (1.61 <RR< 4.35)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 15.93 0.0000659 ---
Mantel-Haenszel: 15.92 0.0000659 ---
Yates corrected: 14.66 0.0001287 ---

```

```

+ Disease -
+-----+-----+
+| 24 | 1827 | 1851
+-----+-----+
-| 43 | 8617 | 8660
+-----+-----+
E 67 10444 10511
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.63 (1.55 <OR< 4.46)
Cornfield 95% confidence limits for OR
Relative risk = 2.61 (1.59 <RR< 4.29)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 15.41 0.0000864 ---
Mantel-Haenszel: 15.41 0.0000865 ---
Yates corrected: 14.18 0.0001666 ---

```

```

+ Disease -
+-----+-----+
+| 24 | 2421 | 2445
+-----+-----+
-| 136 | 30793 | 30929
+-----+-----+
E 160 33214 33374
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.24 (1.42 <OR< 3.53)
Cornfield 95% confidence limits for OR
Relative risk = 2.23 (1.45 <RR< 3.44)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 13.94 0.0001882 ---
Mantel-Haenszel: 13.94 0.0001883 ---
Yates corrected: 12.83 0.0003407 ---

```

+ Disease -
+-----+-----+
+| 24 | 1469 | 1493
+-----+-----+
-| 136 | 19726 | 19862
+-----+-----+
E 160 21195 21355
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.37 (1.49 <OR< 3.73)
Cornfield 95% confidence limits for OR
Relative risk = 2.35 (1.53 <RR< 3.61)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 15.90 0.0000667 ---
Mantel-Haenszel: 15.90 0.0000668 ---
Yates corrected: 14.68 0.0001271 ---

```

+ Disease -
+-----+-----+
+| 24 | 1827 | 1851
+-----+-----+
-| 136 | 23860 | 23996
+-----+-----+
E 160 25687 25847
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.30 (1.45 <OR< 3.63)
Cornfield 95% confidence limits for OR
Relative risk = 2.29 (1.49 <RR< 3.52)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 14.88 0.0001146 ---
Mantel-Haenszel: 14.88 0.0001147 ---
Yates corrected: 13.72 0.0002126 ---

```

+ Disease -
+-----+-----+
+| 24 | 2421 | 2445
+-----+-----+
-| 22 | 5841 | 5863
+-----+-----+
E 46 8262 8308
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.63 (1.42 <OR< 4.88)
Cornfield 95% confidence limits for OR
Relative risk = 2.62 (1.47 <RR< 4.66)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 11.52 0.0006879 ---
Mantel-Haenszel: 11.52 0.0006884 ---
Yates corrected: 10.45 0.0012287 ---

```

+ Disease -
+-----+-----+
+| 24 | 1469 | 1493
+-----+-----+
-| 22 | 3132 | 3154
+-----+-----+
E 46 4601 4647
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 2.33 (1.25 <OR< 4.32)
Cornfield 95% confidence limits for OR
Relative risk = 2.30 (1.30 <RR< 4.10)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 8.56 0.0034337 ---
Mantel-Haenszel: 8.56 0.0034372 ---
Yates corrected: 7.66 0.0056519 ---

```

+ Disease -
+-----+-----+
+| 24 | 1827 | 1851
+-----+-----+
-| 22 | 3555 | 3577
+-----+-----+
E 46 5382 5428
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 2.12 (1.15 <OR< 3.94)
Cornfield 95% confidence limits for OR
Relative risk = 2.11 (1.19 <RR< 3.75)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 6.74 0.0094105 ---
Mantel-Haenszel: 6.74 0.0094171 ---
Yates corrected: 5.96 0.0146632 ---

```

+ Disease -
+-----+-----+
+| 24 | 2421 | 2445
+-----+-----+
-| 39 | 9548 | 9587
+-----+-----+
E 63 11969 12032
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 2.43 (1.41 <OR< 4.15)
Cornfield 95% confidence limits for OR
Relative risk = 2.41 (1.45 <RR< 4.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 12.36 0.0004393 ---
Mantel-Haenszel: 12.36 0.0004395 ---
Yates corrected: 11.28 0.0007841 ---

```

+ Disease -
+-----+-----+
+| 24 | 1469 | 1493
+-----+-----+
-| 39 | 5856 | 5895
+-----+-----+
E 63 7325 7388
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 2.45 (1.43 <OR< 4.20)
Cornfield 95% confidence limits for OR
Relative risk = 2.43 (1.47 <RR< 4.03)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 12.61 0.0003842 ---
Mantel-Haenszel: 12.61 0.0003845 ---
Yates corrected: 11.51 0.0006909 ---

```

+ Disease -
+-----+-----+
+| 24 | 1827 | 1851
+-----+-----+
-| 39 | 7804 | 7843
+-----+-----+
E 63 9631 9694
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.63 (1.53 <OR< 4.50)
Cornfield 95% confidence limits for OR
Relative risk = 2.61 (1.57 <RR< 4.32)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 14.82 0.0001183 ---
Mantel-Haenszel: 14.82 0.0001184 ---
Yates corrected: 13.61 0.0002253 ---

```

3) PROG 3 – OTITIS MEDIA AND UPPER RESPIRATORY DISEASE

```

+ Disease -
+-----+-----+
+| 61 | 2421 | 2482
+-----+-----+
-| 238 | 14851 | 15089
+-----+-----+
E 299 17272 17571
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.57 (1.17 <OR< 2.11)
Cornfield 95% confidence limits for OR
Relative risk = 1.56 (1.18 <RR< 2.06)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 9.88 0.0016742 ---
Mantel-Haenszel: 9.88 0.0016748 ---
Yates corrected: 9.36 0.0022214 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 1469 | 1530
+-----+-----+
-| 238 | 9607 | 9845
+-----+-----+
E 299 11076 11375
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.68 (1.25 <OR< 2.25)
Cornfield 95% confidence limits for OR
Relative risk = 1.65 (1.25 <RR< 2.17)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 12.74 0.0003572 ---
Mantel-Haenszel: 12.74 0.0003574 ---
Yates corrected: 12.14 0.0004940 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 1827 | 1888
+-----+-----+
-| 238 | 10855 | 11093
+-----+-----+
E 299 12682 12981
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.52 (1.13 <OR< 2.04)
Cornfield 95% confidence limits for OR
Relative risk = 1.51 (1.14 <RR< 1.99)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.45 0.0036562 ---
Mantel-Haenszel: 8.45 0.0036576 ---
Yates corrected: 7.97 0.0047516 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 2421 | 2482
+-----+-----+
-| 207 | 12594 | 12801
+-----+-----+
E 268 15015 15283
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.53 (1.14 <OR< 2.06)
Cornfield 95% confidence limits for OR
Relative risk = 1.52 (1.15 <RR< 2.02)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.53 0.0034987 ---
Mantel-Haenszel: 8.53 0.0034998 ---
Yates corrected: 8.05 0.0045597 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 1469 | 1530
+-----+-----+
-| 207 | 7041 | 7248
+-----+-----+
E 268 8510 8778
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.41 (1.04 <OR< 1.91)
Cornfield 95% confidence limits for OR
Relative risk = 1.40 (1.05 <RR< 1.85)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.46 0.0194638 ---
Mantel-Haenszel: 5.46 0.0194708 ---
Yates corrected: 5.08 0.0241484 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 1827 | 1888
+-----+-----+
-| 207 | 8617 | 8824
+-----+-----+
E 268 10444 10712
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.39 (1.03 <OR< 1.87)
Cornfield 95% confidence limits for OR
Relative risk = 1.38 (1.04 <RR< 1.82)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.99 0.0254302 ---
Mantel-Haenszel: 4.99 0.0254370 ---
Yates corrected: 4.64 0.0312695 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 2421 | 2482
+-----+-----+
-| 517 | 30793 | 31310
+-----+-----+
E 578 33214 33792
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.50 (1.14 <OR< 1.98)
Cornfield 95% confidence limits for OR
Relative risk = 1.49 (1.15 <RR< 1.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.90 0.0028571 ---
Mantel-Haenszel: 8.90 0.0028575 ---
Yates corrected: 8.42 0.0037044 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 1469 | 1530
+-----+-----+
-| 517 | 19726 | 20243
+-----+-----+
E 578 21195 21773
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.58 (1.20 <OR< 2.09)
Cornfield 95% confidence limits for OR
Relative risk = 1.56 (1.20 <RR< 2.03)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 11.30 0.0007739 ---
Mantel-Haenszel: 11.30 0.0007741 ---
Yates corrected: 10.76 0.0010399 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 1827 | 1888
+-----+-----+
-| 517 | 23860 | 24377
+-----+-----+
E 578 25687 26265
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.54 (1.17 <OR< 2.03)
Cornfield 95% confidence limits for OR
Relative risk = 1.52 (1.17 <RR< 1.98)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 10.03 0.0015377 ---
Mantel-Haenszel: 10.03 0.0015380 ---
Yates corrected: 9.52 0.0020283 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 2421 | 2482
+-----+-----+
-| 68 | 5841 | 5909
+-----+-----+
E 129 8262 8391
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.16 (1.51 <OR< 3.11)
Cornfield 95% confidence limits for OR
Relative risk = 2.14 (1.52 <RR< 3.01)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 19.72 0.0000090 ---
Mantel-Haenszel: 19.72 0.0000090 ---
Yates corrected: 18.87 0.0000140 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 1469 | 1530
+-----+-----+
-| 68 | 3132 | 3200
+-----+-----+
E 129 4601 4730
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.91 (1.33 <OR< 2.76)
Cornfield 95% confidence limits for OR
Relative risk = 1.88 (1.34 <RR< 2.64)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 13.53 0.0002352 ---
Mantel-Haenszel: 13.52 0.0002356 ---
Yates corrected: 12.83 0.0003404 ---

```

```

+ Disease -
+-----+-----+
+| 61 | 1827 | 1888
+-----+-----+
-| 68 | 3555 | 3623
+-----+-----+
E 129 5382 5511
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 1.75 (1.21 <OR< 2.51)
Cornfield 95% confidence limits for OR
Relative risk = 1.72 (1.22 <RR< 2.42)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 9.95 0.0016044 ---
Mantel-Haenszel: 9.95 0.0016060 ---
Yates corrected: 9.37 0.0022043 ---

```

+ Disease -
+-----+-----+
+| 61 | 2421 | 2482
+-----+-----+
-| 116 | 9548 | 9664
+-----+-----+
E 177 11969 12146
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 2.07 (1.50 <OR< 2.87)
Cornfield 95% confidence limits for OR
Relative risk = 2.05 (1.51 <RR< 2.78)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 21.74 0.0000031 ---
Mantel-Haenszel: 21.74 0.0000031 ---
Yates corrected: 20.87 0.0000049 ---

```

+ Disease -
+-----+-----+
+| 61 | 1469 | 1530
+-----+-----+
-| 116 | 5856 | 5972
+-----+-----+
E 177 7325 7502
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 2.10 (1.51 <OR< 2.91)
Cornfield 95% confidence limits for OR
Relative risk = 2.05 (1.51 <RR< 2.78)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 22.10 0.0000026 ---
Mantel-Haenszel: 22.10 0.0000026 ---
Yates corrected: 21.22 0.0000041 ---

```

+ Disease -
+-----+-----+
+| 61 | 1827 | 1888
+-----+-----+
-| 116 | 7804 | 7920
+-----+-----+
E 177 9631 9808
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 2.25 (1.62 <OR< 3.11)
Cornfield 95% confidence limits for OR
Relative risk = 2.21 (1.62 <RR< 3.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 26.84 0.0000002 ---
Mantel-Haenszel: 26.84 0.0000002 ---
Yates corrected: 25.85 0.0000004 ---

4) PROG 4 – ABNORMAL BIRTH OUTCOMES

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 1077 | 2421 | 3498   Odds ratio = 1.65 (1.52 <OR< 1.79)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 4006 | 14851 | 18857 Relative risk = 1.45 (1.37 <RR< 1.53)
+-----+-----+   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E 5083 17272 22355
x
P
o
s
u
Chi-Squares P-values
-----
Uncorrected : 153.02 0.0000000 ---
Mantel-Haenszel: 153.01 0.0000000 ---
Yates corrected: 152.48 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 1077 | 1469 | 2546   Odds ratio = 1.76 (1.61 <OR< 1.92)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 4006 | 9607 | 13613 Relative risk = 1.44 (1.36 <RR< 1.51)
+-----+-----+   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E 5083 11076 16159
x
P
o
s
u
Chi-Squares P-values
-----
Uncorrected : 164.87 0.0000000 ---
Mantel-Haenszel: 164.86 0.0000000 ---
Yates corrected: 164.27 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 1007 | 1827 | 2834   Odds ratio = 1.49 (1.37 <OR< 1.63)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 4006 | 10855 | 14861 Relative risk = 1.32 (1.25 <RR< 1.39)
+-----+-----+   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E 5013 12682 17695
x
P
o
s
u
Chi-Squares P-values
-----
Uncorrected : 86.22 0.0000000 ---
Mantel-Haenszel: 86.22 0.0000000 ---
Yates corrected: 85.80 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 1077 | 2421 | 3498   Odds ratio = 1.89 (1.74 <OR< 2.05)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 2965 | 12594 | 15559 Relative risk = 1.62 (1.52 <RR< 1.71)
+-----+-----+   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E 4042 15015 19057
x
P
o
s
u
Chi-Squares P-values
-----
Uncorrected : 235.24 0.0000000 ---
Mantel-Haenszel: 235.23 0.0000000 ---
Yates corrected: 234.54 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 1469 | 2546
+-----+-----+
-| 2965 | 7041 | 10006
+-----+-----+
E 4042  8510  12552
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.74 (1.59 <OR< 1.91)
Cornfield 95% confidence limits for OR
Relative risk = 1.43 (1.35 <RR< 1.51)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 149.22  0.0000000 ---
Mantel-Haenszel: 149.21  0.0000000 ---
Yates corrected: 148.64  0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 1827 | 2904
+-----+-----+
-| 2965 | 8617 | 11582
+-----+-----+
E 4042  10444  14486
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.71 (1.57 <OR< 1.87)
Cornfield 95% confidence limits for OR
Relative risk = 1.45 (1.37 <RR< 1.53)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 152.28  0.0000000 ---
Mantel-Haenszel: 152.27  0.0000000 ---
Yates corrected: 151.71  0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 2421 | 3498
+-----+-----+
-| 17600 | 30793 | 48393
+-----+-----+
E 18677  33214  51891
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.78 (0.72 <OR< 0.84)
Cornfield 95% confidence limits for OR
Relative risk = 0.85 (0.80 <RR< 0.89)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 44.09  0.0000000 ---
Mantel-Haenszel: 44.09  0.0000000 ---
Yates corrected: 43.85  0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 1469 | 2546
+-----+-----+
-| 17600 | 19726 | 37326
+-----+-----+
E 18677  21195  39872
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.82 (0.76 <OR< 0.89)
Cornfield 95% confidence limits for OR
Relative risk = 0.90 (0.86 <RR< 0.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 22.52  0.0000021 ---
Mantel-Haenszel: 22.52  0.0000021 ---
Yates corrected: 22.33  0.0000023 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 1827 | 2904
+-----+-----+
-| 17600 | 23860 | 41460
+-----+-----+
E 18677 25687 44364
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.80 (0.74 <OR< 0.86)
Cornfield 95% confidence limits for OR
Relative risk = 0.87 (0.83 <RR< 0.92)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 32.03 0.0000000 ---
Mantel-Haenszel: 32.03 0.0000000 ---
Yates corrected: 31.81 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 2421 | 3498
+-----+-----+
-| 1658 | 5841 | 7499
+-----+-----+
E 2735 8262 10997
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.57 (1.43 <OR< 1.72)
Cornfield 95% confidence limits for OR
Relative risk = 1.39 (1.30 <RR< 1.49)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 96.17 0.0000000 ---
Mantel-Haenszel: 96.16 0.0000000 ---
Yates corrected: 95.71 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 1469 | 2546
+-----+-----+
-| 1658 | 3132 | 4790
+-----+-----+
E 2735 4601 7336
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.38 (1.25 <OR< 1.53)
Cornfield 95% confidence limits for OR
Relative risk = 1.22 (1.15 <RR< 1.30)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 42.02 0.0000000 ---
Mantel-Haenszel: 42.01 0.0000000 ---
Yates corrected: 41.69 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 1827 | 2904
+-----+-----+
-| 1658 | 3555 | 5213
+-----+-----+
E 2735 5382 8117
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.26 (1.15 <OR< 1.39)
Cornfield 95% confidence limits for OR
Relative risk = 1.17 (1.10 <RR< 1.24)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 23.29 0.0000014 ---
Mantel-Haenszel: 23.28 0.0000014 ---
Yates corrected: 23.05 0.0000016 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 2421 | 3498
+-----+-----+
-| 1892 | 9548 | 11440
+-----+-----+
E 2969 11969 14938
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.24 (2.06 <OR< 2.45)
Cornfield 95% confidence limits for OR
Relative risk = 1.86 (1.75 <RR< 1.99)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 341.61 0.0000000 ---
Mantel-Haenszel: 341.59 0.0000000 ---
Yates corrected: 340.72 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 1469 | 2546
+-----+-----+
-| 1892 | 5856 | 7748
+-----+-----+
E 2969 7325 10294
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.27 (2.06 <OR< 2.50)
Cornfield 95% confidence limits for OR
Relative risk = 1.73 (1.63 <RR< 1.84)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 298.59 0.0000000 ---
Mantel-Haenszel: 298.56 0.0000000 ---
Yates corrected: 297.71 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 1077 | 1827 | 2904
+-----+-----+
-| 1892 | 7804 | 9696
+-----+-----+
E 2969 9631 12600
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.43 (2.22 <OR< 2.66)
Cornfield 95% confidence limits for OR
Relative risk = 1.90 (1.79 <RR< 2.02)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 383.18 0.0000000 ---
Mantel-Haenszel: 383.15 0.0000000 ---
Yates corrected: 382.20 0.0000000 ---

```

5) PROG 5 – NON-THERAPEUTIC ABORTIONS

```

+ Disease -
+-----+-----+
+| 29 | 2421 | 2450
+-----+-----+
-| 179 | 14851 | 15030
+-----+-----+
E 208 17272 17480
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.99 (0.66 <OR< 1.50)
Cornfield 95% confidence limits for OR
Relative risk = 0.99 (0.67 <RR< 1.47)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.00 0.9754240
Mantel-Haenszel: 0.00 0.9754247
Yates corrected: 0.00 0.9444650

```

```

+ Disease -
+-----+-----+
+| 29 | 1469 | 1498
+-----+-----+
-| 179 | 9607 | 9786
+-----+-----+
E 208 11076 11284
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.06 (0.70 <OR< 1.60)
Cornfield 95% confidence limits for OR
Relative risk = 1.06 (0.72 <RR< 1.56)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.08 0.7748006
Mantel-Haenszel: 0.08 0.7748103
Yates corrected: 0.03 0.8548202

```

```

+ Disease -
+-----+-----+
+| 29 | 1827 | 1856
+-----+-----+
-| 179 | 10855 | 11034
+-----+-----+
E 208 12682 12890
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.96 (0.63 <OR< 1.45)
Cornfield 95% confidence limits for OR
Relative risk = 0.96 (0.65 <RR< 1.42)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.04 0.8500607
Mantel-Haenszel: 0.04 0.8500665
Yates corrected: 0.01 0.9286967

```

```

+ Disease -
+-----+-----+
+| 29 | 2421 | 2450
+-----+-----+
-| 184 | 12594 | 12778
+-----+-----+
E 213 15015 15228
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.82 (0.54 <OR< 1.23)
Cornfield 95% confidence limits for OR
Relative risk = 0.82 (0.56 <RR< 1.21)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.98 0.3223976
Mantel-Haenszel: 0.98 0.3224135
Yates corrected: 0.80 0.3704438

```

```

+ Disease -
+-----+-----+
+| 29 | 1469 | 1498
+-----+-----+
-| 184 | 7041 | 7225
+-----+-----+
E 213 8510 8723
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.76 (0.50 <OR< 1.14)
Cornfield 95% confidence limits for OR
Relative risk = 0.76 (0.52 <RR< 1.12)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.94 0.1633290
Mantel-Haenszel: 1.94 0.1633532
Yates corrected: 1.70 0.1929186

```

```

+ Disease -
+-----+-----+
+| 29 | 1827 | 1856
+-----+-----+
-| 184 | 8617 | 8801
+-----+-----+
E 213 10444 10657
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.74 (0.49 <OR< 1.12)
Cornfield 95% confidence limits for OR
Relative risk = 0.75 (0.51 <RR< 1.10)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.18 0.1395446
Mantel-Haenszel: 2.18 0.1395632
Yates corrected: 1.92 0.1656747

```

```

+ Disease -
+-----+-----+
+| 29 | 2421 | 2450
+-----+-----+
-| 757 | 30793 | 31550
+-----+-----+
E 786 33214 34000
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.49 (0.33 <OR< 0.72)
Cornfield 95% confidence limits for OR
Relative risk = 0.49 (0.34 <RR< 0.71)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 14.88 0.0001147 ---
Mantel-Haenszel: 14.88 0.0001147 ---
Yates corrected: 14.34 0.0001522 ---

```

```

+ Disease -
+-----+-----+
+| 29 | 1469 | 1498
+-----+-----+
-| 757 | 19726 | 20483
+-----+-----+
E 786 21195 21981
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.51 (0.35 <OR< 0.76)
Cornfield 95% confidence limits for OR
Relative risk = 0.52 (0.36 <RR< 0.76)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 12.54 0.0003987 ---
Mantel-Haenszel: 12.54 0.0003988 ---
Yates corrected: 12.03 0.0005226 ---

```

```

+ Disease -
+-----+-----+
+| 29 | 1827 | 1856
+-----+-----+
-| 757 | 23860 | 24617
+-----+-----+
E 786 25687 26473
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.50 (0.34 <OR< 0.74)
Cornfield 95% confidence limits for OR
Relative risk = 0.51 (0.35 <RR< 0.73)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 13.71 0.0002137 ---
Mantel-Haenszel: 13.71 0.0002137 ---
Yates corrected: 13.19 0.0002819 ---

```

```

+ Disease -
+-----+-----+
+| 29 | 2421 | 2450
+-----+-----+
-| 24 | 5841 | 5865
+-----+-----+
E 53 8262 8315
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.92 (1.64 <OR< 5.19)
Cornfield 95% confidence limits for OR
Relative risk = 2.89 (1.69 <RR< 4.96)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 16.37 0.0000522 ---
Mantel-Haenszel: 16.36 0.0000523 ---
Yates corrected: 15.17 0.0000985 ---

```

+ Disease -
+-----+-----+
+| 29 | 1469 | 1498
+-----+-----+
-| 24 | 3132 | 3156
+-----+-----+
E 53 4601 4654
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.58 (1.45 <OR< 4.59)
Cornfield 95% confidence limits for OR
Relative risk = 2.55 (1.49 <RR< 4.36)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 12.47 0.0004142 ---
Mantel-Haenszel: 12.46 0.0004148 ---
Yates corrected: 11.44 0.0007170 ---

```

+ Disease -
+-----+-----+
+| 29 | 1827 | 1856
+-----+-----+
-| 24 | 3555 | 3579
+-----+-----+
E 53 5382 5435
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.35 (1.32 <OR< 4.19)
Cornfield 95% confidence limits for OR
Relative risk = 2.33 (1.36 <RR< 3.99)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 10.07 0.0015081 ---
Mantel-Haenszel: 10.07 0.0015096 ---
Yates corrected: 9.17 0.0024652 ---

```

+ Disease -
+-----+-----+
+| 29 | 2421 | 2450
+-----+-----+
-| 77 | 9548 | 9625
+-----+-----+
E 106 11969 12075
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.49 (0.94 <OR< 2.32)
Cornfield 95% confidence limits for OR
Relative risk = 1.48 (0.97 <RR< 2.26)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 3.30 0.0691198
Mantel-Haenszel: 3.30 0.0691313
Yates corrected: 2.88 0.0898210

```

+ Disease -
+-----+-----+
+| 29 | 1469 | 1498
+-----+-----+
-| 77 | 5856 | 5933
+-----+-----+
E 106 7325 7431
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.50 (0.95 <OR< 2.35)
Cornfield 95% confidence limits for OR
Relative risk = 1.49 (0.98 <RR< 2.28)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.46 0.0627474
Mantel-Haenszel: 3.46 0.0627650
Yates corrected: 3.02 0.0820255

```

```

+ Disease -
+-----+-----+
+| 29 | 1827 | 1856
+-----+-----+
-| 77 | 7804 | 7881
+-----+-----+
E 106 9631 9737
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.61 (1.02 <OR< 2.52)
Cornfield 95% confidence limits for OR
Relative risk = 1.60 (1.05 <RR< 2.44)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.78 0.0287583 ---
Mantel-Haenszel: 4.78 0.0287665 ---
Yates corrected: 4.25 0.0391636 ---

```

6) PROG 6 – FEMALE REPRODUCTIVE MALIGNANCY

```

+ Disease -
+-----+-----+
+| 37 | 2421 | 2458
+-----+-----+
-| 201 | 14851 | 15052
+-----+-----+
E 238 17272 17510
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.13 (0.78 <OR< 1.63)
Cornfield 95% confidence limits for OR
Relative risk = 1.13 (0.80 <RR< 1.60)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.46 0.4999648
Mantel-Haenszel: 0.45 0.4999770
Yates corrected: 0.34 0.5615067

```

```

+ Disease -
+-----+-----+
+| 37 | 1469 | 1506
+-----+-----+
-| 201 | 9607 | 9808
+-----+-----+
E 238 11076 11314
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.20 (0.83 <OR< 1.74)
Cornfield 95% confidence limits for OR
Relative risk = 1.20 (0.85 <RR< 1.70)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.05 0.3048889
Mantel-Haenszel: 1.05 0.3049103
Yates corrected: 0.86 0.3525908

```

```

+ Disease -
+-----+-----+
+| 37 | 1827 | 1864
+-----+-----+
-| 201 | 10855 | 11056
+-----+-----+
E 238 12682 12920
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.09 (0.76 <OR< 1.58)
Cornfield 95% confidence limits for OR
Relative risk = 1.09 (0.77 <RR< 1.55)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.25 0.6199712
Mantel-Haenszel: 0.25 0.6199847
Yates corrected: 0.16 0.6871034

```

```

+ Disease -
+-----+-----+
+| 37 | 2421 | 2458
+-----+-----+
-| 113 | 12594 | 12707
+-----+-----+
E 150 15015 15165
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.70 (1.15 <OR< 2.51)
Cornfield 95% confidence limits for OR
Relative risk = 1.69 (1.17 <RR< 2.45)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.98 0.0047282 ---
Mantel-Haenszel: 7.98 0.0047296 ---
Yates corrected: 7.36 0.0066545 ---

```

```

+ Disease -
+-----+-----+
+| 37 | 1469 | 1506
+-----+-----+
-| 113 | 7041 | 7154
+-----+-----+
E 150 8510 8660
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.57 (1.06 <OR< 2.32)
Cornfield 95% confidence limits for OR
Relative risk = 1.56 (1.08 <RR< 2.25)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.63 0.0176998 ---
Mantel-Haenszel: 5.62 0.0177063 ---
Yates corrected: 5.12 0.0236243 ---

```

```

+ Disease -
+-----+-----+
+| 37 | 1827 | 1864
+-----+-----+
-| 113 | 8617 | 8730
+-----+-----+
E 150 10444 10594
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.54 (1.04 <OR< 2.28)
Cornfield 95% confidence limits for OR
Relative risk = 1.53 (1.06 <RR< 2.22)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.25 0.0219704 ---
Mantel-Haenszel: 5.25 0.0219767 ---
Yates corrected: 4.77 0.0290434 ---

```

```

+ Disease -
+-----+-----+
+| 37 | 2421 | 2458
+-----+-----+
-| 348 | 30793 | 31141
+-----+-----+
E 385 33214 33599
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.35 (0.95 <OR< 1.92)
Cornfield 95% confidence limits for OR
Relative risk = 1.35 (0.96 <RR< 1.89)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.02 0.0820153
Mantel-Haenszel: 3.02 0.0820199
Yates corrected: 2.69 0.1008630

```

```

+ Disease -
+-----+-----+
+| 37 | 1469 | 1506
+-----+-----+
-| 348 | 19726 | 20074
+-----+-----+
E 385 21195 21580
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.43 (1.00 <OR< 2.04)
Cornfield 95% confidence limits for OR
Relative risk = 1.42 (1.01 <RR< 1.98)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.18 0.0408524 ---
Mantel-Haenszel: 4.18 0.0408570 ---
Yates corrected: 3.78 0.0518826

```

```

+ Disease -
+-----+-----+
+| 37 | 1827 | 1864
+-----+-----+
-| 348 | 23860 | 24208
+-----+-----+
E 385 25687 26072
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.39 (0.97 <OR< 1.98)
Cornfield 95% confidence limits for OR
Relative risk = 1.38 (0.99 <RR< 1.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.57 0.0590056
Mantel-Haenszel: 3.56 0.0590105
Yates corrected: 3.20 0.0736938

```

```

+ Disease -
+-----+-----+
+| 37 | 2421 | 2458
+-----+-----+
-| 59 | 5841 | 5900
+-----+-----+
E 96 8262 8358
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.51 (0.98 <OR< 2.33)
Cornfield 95% confidence limits for OR
Relative risk = 1.51 (1.00 <RR< 2.26)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.90 0.0482359 ---
Mantel-Haenszel: 3.90 0.0482493 ---
Yates corrected: 3.47 0.0625136

```

```

+ Disease -
+-----+-----+
+| 37 | 1469 | 1506
+-----+-----+
-| 59 | 3132 | 3191
+-----+-----+
E 96 4601 4697
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.34 (0.86 <OR< 2.06)
Cornfield 95% confidence limits for OR
Relative risk = 1.33 (0.88 <RR< 2.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.89 0.1693807
Mantel-Haenszel: 1.89 0.1694261
Yates corrected: 1.60 0.2063300

```

```

+ Disease -
+-----+-----+
+| 37 | 1827 | 1864
+-----+-----+
-| 59 | 3555 | 3614
+-----+-----+
E 96 5382 5478
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.22 (0.79 <OR< 1.88)
Cornfield 95% confidence limits for OR
Relative risk = 1.22 (0.81 <RR< 1.83)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.89 0.3462449
Mantel-Haenszel: 0.89 0.3462889
Yates corrected: 0.69 0.4047118

```

```

+ Disease -
+-----+-----+
+| 37 | 2421 | 2458
+-----+-----+
-| 89 | 9548 | 9637
+-----+-----+
E 126 11969 12095
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.64 (1.09 <OR< 2.45)
Cornfield 95% confidence limits for OR
Relative risk = 1.63 (1.11 <RR< 2.39)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.43 0.0112222 ---
Mantel-Haenszel: 6.43 0.0112256 ---
Yates corrected: 5.88 0.0153326 ---

```

```

+ Disease -
+-----+-----+
+| 37 | 1469 | 1506
+-----+-----+
-| 89 | 5856 | 5945
+-----+-----+
E 126 7325 7451
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.66 (1.10 <OR< 2.48)
Cornfield 95% confidence limits for OR
Relative risk = 1.64 (1.12 <RR< 2.40)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.66 0.0098698 ---
Mantel-Haenszel: 6.66 0.0098748 ---
Yates corrected: 6.09 0.0135686 ---

```

```

+ Disease -
+-----+-----+
+| 37 | 1827 | 1864
+-----+-----+
-| 89 | 7804 | 7893
+-----+-----+
E 126 9631 9757
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.78 (1.18 <OR< 2.66)
Cornfield 95% confidence limits for OR
Relative risk = 1.76 (1.20 <RR< 2.57)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.70 0.0031888 ---
Mantel-Haenszel: 8.70 0.0031904 ---
Yates corrected: 8.04 0.0045844 ---

```

7) PROG 7 – PLEURISY AND PNEUMONIA

```

+ Disease -
+-----+-----+
+| 474 | 2421 | 2895
+-----+-----+
-| 2811 | 14851 | 17662
+-----+-----+
E 3285 17272 20557
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.03 (0.93 <OR< 1.15)
Cornfield 95% confidence limits for OR
Relative risk = 1.03 (0.94 <RR< 1.12)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.39 0.5334555
Mantel-Haenszel: 0.39 0.5334654
Yates corrected: 0.35 0.5515900

```

```

+ Disease -
+-----+-----+
+| 474 | 1469 | 1943
+-----+-----+
-| 2811 | 9607 | 12418
+-----+-----+
E 3285 11076 14361
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.10 (0.98 <OR< 1.24)
Cornfield 95% confidence limits for OR
Relative risk = 1.08 (0.99 <RR< 1.17)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.95 0.0860991
Mantel-Haenszel: 2.95 0.0861100
Yates corrected: 2.85 0.0915453

```

```

+ Disease -
+-----+-----+
+| 474 | 1827 | 2301
+-----+-----+
-| 2811 | 10855 | 13666
+-----+-----+
E 3285 12682 15967
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.00 (0.90 <OR< 1.12)
Cornfield 95% confidence limits for OR
Relative risk = 1.00 (0.92 <RR< 1.09)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.00 0.9733389
Mantel-Haenszel: 0.00 0.9733397
Yates corrected: 0.00 0.9955724

```

```

+ Disease -
+-----+-----+
+| 474 | 2421 | 2895
+-----+-----+
-| 2381 | 12594 | 14975
+-----+-----+
E 2855 15015 17870
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.04 (0.93 <OR< 1.16)
Cornfield 95% confidence limits for OR
Relative risk = 1.03 (0.94 <RR< 1.13)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.40 0.5246678
Mantel-Haenszel: 0.40 0.5246794
Yates corrected: 0.37 0.5428823

```

```

+ Disease -
+-----+-----+
+| 474 | 1469 | 1943
+-----+-----+
-| 2381 | 7041 | 9422
+-----+-----+
E 2855 8510 11365
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.95 (0.85 <OR< 1.07)
Cornfield 95% confidence limits for OR
Relative risk = 0.97 (0.89 <RR< 1.05)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.66 0.4179021
Mantel-Haenszel: 0.66 0.4179226
Yates corrected: 0.61 0.4346014

```

```

+ Disease -
+-----+-----+
+| 474 | 1827 | 2301
+-----+-----+
-| 2381 | 8617 | 10998
+-----+-----+
E 2855 10444 13299
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.94 (0.84 <OR< 1.05)
Cornfield 95% confidence limits for OR
Relative risk = 0.95 (0.87 <RR< 1.04)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.24 0.2647861
Mantel-Haenszel: 1.24 0.2648041
Yates corrected: 1.18 0.2769332

```

```

+ Disease -
+-----+-----+
+| 474 | 2421 | 2895
+-----+-----+
-| 5617 | 30793 | 36410
+-----+-----+
E 6091 33214 39305
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.07 (0.97 <OR< 1.19)
Cornfield 95% confidence limits for OR
Relative risk = 1.06 (0.97 <RR< 1.16)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.83 0.1758206
Mantel-Haenszel: 1.83 0.1758261
Yates corrected: 1.76 0.1844905

```

```

+ Disease -
+-----+-----+
+| 474 | 1469 | 1943
+-----+-----+
-| 5617 | 19726 | 25343
+-----+-----+
E 6091 21195 27286
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.13 (1.02 <OR< 1.26)
Cornfield 95% confidence limits for OR
Relative risk = 1.10 (1.01 <RR< 1.19)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.18 0.0228239 ---
Mantel-Haenszel: 5.18 0.0228264 ---
Yates corrected: 5.05 0.0245695 ---

```

```

+ Disease -
+-----+-----+
+| 474 | 1827 | 2301
+-----+-----+
-| 5617 | 23860 | 29477
+-----+-----+
E 6091 25687 31778
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.10 (0.99 <OR< 1.23)
Cornfield 95% confidence limits for OR
Relative risk = 1.08 (0.99 <RR< 1.18)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.28 0.0699161
Mantel-Haenszel: 3.28 0.0699205
Yates corrected: 3.19 0.0742680

```

```

+ Disease -
+-----+-----+
+| 474 | 2421 | 2895
+-----+-----+
-| 1175 | 5841 | 7016
+-----+-----+
E 1649 8262 9911
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.97 (0.86 <OR< 1.10)
Cornfield 95% confidence limits for OR
Relative risk = 0.98 (0.89 <RR< 1.08)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.21 0.6490541
Mantel-Haenszel: 0.21 0.6490706
Yates corrected: 0.18 0.6705306

```

```

+ Disease -
+-----+-----+
+| 474 | 1469 | 1943
+-----+-----+
-| 1175 | 3132 | 4307
+-----+-----+
E 1649 4601 6250
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.86 (0.76 <OR< 0.97)
Cornfield 95% confidence limits for OR
Relative risk = 0.89 (0.82 <RR< 0.98)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.74 0.0165694 ---
Mantel-Haenszel: 5.74 0.0165781 ---
Yates corrected: 5.59 0.0180242 ---

```

```

+ Disease -
+-----+-----+
+| 474 | 1827 | 2301
+-----+-----+
-| 1175 | 3555 | 4730
+-----+-----+
E 1649 5382 7031
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 0.78 (0.69 <OR< 0.89)
Cornfield 95% confidence limits for OR
Relative risk = 0.83 (0.75 <RR< 0.91)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 15.51 0.0000819 ---
Mantel-Haenszel: 15.51 0.0000820 ---
Yates corrected: 15.28 0.0000928 ---

```

+ Disease -
+-----+-----+
+| 474 | 2421 | 2895
+-----+-----+
-| 1848 | 9548 | 11396
+-----+-----+
E 2322 11969 14291
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 1.01 (0.90 <OR< 1.13)
Cornfield 95% confidence limits for OR
Relative risk = 1.01 (0.92 <RR< 1.11)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.04 0.8381329
Mantel-Haenszel: 0.04 0.8381385
Yates corrected: 0.03 0.8602371

```

+ Disease -
+-----+-----+
+| 474 | 1469 | 1943
+-----+-----+
-| 1848 | 5856 | 7704
+-----+-----+
E 2322 7325 9647
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 1.02 (0.91 <OR< 1.15)
Cornfield 95% confidence limits for OR
Relative risk = 1.02 (0.93 <RR< 1.11)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.14 0.7071508
Mantel-Haenszel: 0.14 0.7071653
Yates corrected: 0.12 0.7293472

```

+ Disease -
+-----+-----+
+| 474 | 1827 | 2301
+-----+-----+
-| 1848 | 7804 | 9652
+-----+-----+
E 2322 9631 11953
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 1.10 (0.98 <OR< 1.23)
Cornfield 95% confidence limits for OR
Relative risk = 1.08 (0.98 <RR< 1.18)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 2.51 0.1132908
Mantel-Haenszel: 2.51 0.1133059
Yates corrected: 2.42 0.1201238

8) PROG 8 – KIDNEY NEOPLASM

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  34 | 2421 | 2455   Odds ratio = 0.99 (0.68 <OR< 1.45)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 210 | 14851 | 15061 Relative risk = 0.99 (0.69 <RR< 1.42)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 244 17272 17516   Ignore relative risk if case control study.
x
x                   Chi-Squares  P-values
p                   -----  -----
o                   Uncorrected : 0.00 0.9706018
s                   Mantel-Haenszel: 0.00 0.9706027
u                   Yates corrected: 0.00 0.9553409

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  34 | 1469 | 1503   Odds ratio = 1.06 (0.72 <OR< 1.55)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 210 | 9607 | 9817  Relative risk = 1.06 (0.74 <RR< 1.51)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 244 11076 11320   Ignore relative risk if case control study.
x
x                   Chi-Squares  P-values
p                   -----  -----
o                   Uncorrected : 0.09 0.7597788
s                   Mantel-Haenszel: 0.09 0.7597891
u                   Yates corrected: 0.04 0.8333498

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  34 | 1827 | 1861   Odds ratio = 0.96 (0.66 <OR< 1.41)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 210 | 10855 | 11065 Relative risk = 0.96 (0.67 <RR< 1.38)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 244 12682 12926   Ignore relative risk if case control study.
x
x                   Chi-Squares  P-values
p                   -----  -----
o                   Uncorrected : 0.04 0.8352724
s                   Mantel-Haenszel: 0.04 0.8352787
u                   Yates corrected: 0.01 0.9077370

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  34 | 2421 | 2455   Odds ratio = 1.20 (0.81 <OR< 1.78)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 147 | 12594 | 12741 Relative risk = 1.20 (0.83 <RR< 1.74)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 181 15015 15196   Ignore relative risk if case control study.
x
x                   Chi-Squares  P-values
p                   -----  -----
o                   Uncorrected : 0.93 0.3336542
s                   Mantel-Haenszel: 0.93 0.3336701
u                   Yates corrected: 0.75 0.3869325

```

```

+ Disease -
+-----+-----+
+| 34 | 1469 | 1503
+-----+-----+
-| 147 | 7041 | 7188
+-----+-----+
E 181 8510 8691
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.11 (0.75 <OR< 1.64)
Cornfield 95% confidence limits for OR
Relative risk = 1.11 (0.76 <RR< 1.60)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.29 0.5920064
Mantel-Haenszel: 0.29 0.5920277
Yates corrected: 0.19 0.6623854

```

```

+ Disease -
+-----+-----+
+| 34 | 1827 | 1861
+-----+-----+
-| 147 | 8617 | 8764
+-----+-----+
E 181 10444 10625
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.09 (0.74 <OR< 1.61)
Cornfield 95% confidence limits for OR
Relative risk = 1.09 (0.75 <RR< 1.58)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.21 0.6504592
Mantel-Haenszel: 0.21 0.6504746
Yates corrected: 0.13 0.7229612

```

```

+ Disease -
+-----+-----+
+| 34 | 2421 | 2455
+-----+-----+
-| 360 | 30793 | 31153
+-----+-----+
E 394 33214 33608
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.20 (0.83 <OR< 1.73)
Cornfield 95% confidence limits for OR
Relative risk = 1.20 (0.85 <RR< 1.70)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.03 0.3094313
Mantel-Haenszel: 1.03 0.3094385
Yates corrected: 0.84 0.3580744

```

```

+ Disease -
+-----+-----+
+| 34 | 1469 | 1503
+-----+-----+
-| 360 | 19726 | 20086
+-----+-----+
E 394 21195 21589
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.27 (0.87 <OR< 1.83)
Cornfield 95% confidence limits for OR
Relative risk = 1.26 (0.89 <RR< 1.79)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.72 0.1893139
Mantel-Haenszel: 1.72 0.1893242
Yates corrected: 1.47 0.2252368

```

```

+ Disease -
+-----+-----+
+| 34 | 1827 | 1861
+-----+-----+
-| 360 | 23860 | 24220
+-----+-----+
E 394 25687 26081
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.23 (0.85 <OR< 1.78)
Cornfield 95% confidence limits for OR
Relative risk = 1.23 (0.87 <RR< 1.74)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

Chi-Squares P-values
-----
Uncorrected : 1.35 0.2457182
Mantel-Haenszel: 1.35 0.2457273
Yates corrected: 1.13 0.2881408

```

```

+ Disease -
+-----+-----+
+| 34 | 2421 | 2455
+-----+-----+
-| 51 | 5841 | 5892
+-----+-----+
E 85 8262 8347
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.61 (1.02 <OR< 2.54)
Cornfield 95% confidence limits for OR
Relative risk = 1.60 (1.04 <RR< 2.46)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

Chi-Squares P-values
-----
Uncorrected : 4.64 0.0312856 ---
Mantel-Haenszel: 4.64 0.0312957 ---
Yates corrected: 4.14 0.0419731 ---

```

```

+ Disease -
+-----+-----+
+| 34 | 1469 | 1503
+-----+-----+
-| 51 | 3132 | 3183
+-----+-----+
E 85 4601 4686
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.42 (0.90 <OR< 2.25)
Cornfield 95% confidence limits for OR
Relative risk = 1.41 (0.92 <RR< 2.17)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

Chi-Squares P-values
-----
Uncorrected : 2.50 0.1141306
Mantel-Haenszel: 2.50 0.1141692
Yates corrected: 2.14 0.1435662

```

```

+ Disease -
+-----+-----+
+| 34 | 1827 | 1861
+-----+-----+
-| 51 | 3555 | 3606
+-----+-----+
E 85 5382 5467
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.30 (0.82 <OR< 2.05)
Cornfield 95% confidence limits for OR
Relative risk = 1.29 (0.84 <RR< 1.99)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

Chi-Squares P-values
-----
Uncorrected : 1.37 0.2425526
Mantel-Haenszel: 1.37 0.2425957
Yates corrected: 1.11 0.2922135

```

```

+ Disease -
+-----+-----+
+| 34 | 2421 | 2455
+-----+-----+
-| 88 | 9548 | 9636
+-----+-----+
E 122 11969 12091
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.52 (1.00 <OR< 2.31)
Cornfield 95% confidence limits for OR
Relative risk = 1.52 (1.02 <RR< 2.25)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.36 0.0368327 ---
Mantel-Haenszel: 4.36 0.0368405 ---
Yates corrected: 3.90 0.0483239 ---

```

```

+ Disease -
+-----+-----+
+| 34 | 1469 | 1503
+-----+-----+
-| 88 | 5856 | 5944
+-----+-----+
E 122 7325 7447
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.54 (1.01 <OR< 2.34)
Cornfield 95% confidence limits for OR
Relative risk = 1.53 (1.03 <RR< 2.26)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.55 0.0329442 ---
Mantel-Haenszel: 4.55 0.0329560 ---
Yates corrected: 4.08 0.0434829 ---

```

```

+ Disease -
+-----+-----+
+| 34 | 1827 | 1861
+-----+-----+
-| 88 | 7804 | 7892
+-----+-----+
E 122 9631 9753
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.65 (1.09 <OR< 2.50)
Cornfield 95% confidence limits for OR
Relative risk = 1.64 (1.11 <RR< 2.43)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.18 0.0129289 ---
Mantel-Haenszel: 6.18 0.0129336 ---
Yates corrected: 5.62 0.0177981 ---

```

9) PROG 9 – MALE REPRODUCTIVE MALIGNANCY

```

+ Disease -
+-----+-----+
+| 6 | 2421 | 2427
+-----+-----+
-| 30 | 14851 | 14881
+-----+-----+
E 36 17272 17308
x
p
o
s
u
r
Analysis of Single Table
Odds ratio = 1.23 (0.46 <OR< 3.09*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 1.23 (0.51 <RR< 2.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.21 0.6473794
Mantel-Haenszel: 0.21 0.6473889
Yates corrected: 0.05 0.8280884

```

```

+ Disease -
+-----+-----+
+| 6 | 1469 | 1475
+-----+-----+
-| 30 | 9607 | 9637
+-----+-----+
E 36 11076 11112
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 1.31 (0.49 <OR< 3.30*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 1.31 (0.54 <RR< 3.13)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.36 0.5478807
Mantel-Haenszel: 0.36 0.5478987
Yates corrected: 0.13 0.7226411
Fisher exact: 1-tailed P-value: 0.3419885
2-tailed P-value: 0.4677978

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 6 | 1827 | 1833
+-----+-----+
-| 30 | 10855 | 10885
+-----+-----+
E 36 12682 12718
x
p
o
s
u
r

```

Analysis of Single Table
Odds ratio = 1.19 (0.44 <OR< 2.99*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 1.19 (0.50 <RR< 2.85)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.15 0.6997854
Mantel-Haenszel: 0.15 0.6997966
Yates corrected: 0.02 0.8823396

```

+ Disease -
+-----+-----+
+| 6 | 2421 | 2427
+-----+-----+
-| 37 | 12594 | 12631
+-----+-----+
E 43 15015 15058
x
p
o
s
u
r

```

Analysis of Single Table
Odds ratio = 0.84 (0.32 <OR< 2.09*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 0.84 (0.36 <RR< 2.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.15 0.6991168
Mantel-Haenszel: 0.15 0.6991263
Yates corrected: 0.03 0.8580597

```

+ Disease -
+-----+-----+
+| 6 | 1469 | 1475
+-----+-----+
-| 37 | 7041 | 7078
+-----+-----+
E 43 8510 8553
x
p
o
s
u
r

```

Analysis of Single Table
Odds ratio = 0.78 (0.29 <OR< 1.93*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 0.78 (0.33 <RR< 1.84)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.33 0.5667422
Mantel-Haenszel: 0.33 0.5667649
Yates corrected: 0.14 0.7110035

```

+ Disease -
+-----+-----+
+| 6 | 1827 | 1833
+-----+-----+
-| 37 | 8617 | 8654
+-----+-----+
E 43 10444 10487
x
p
o
s
u
r

```

Analysis of Single Table
Odds ratio = 0.76 (0.29 <OR< 1.90*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 0.77 (0.32 <RR< 1.81)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.37 0.5419049
Mantel-Haenszel: 0.37 0.5419242
Yates corrected: 0.17 0.6827212

```

+ Disease -
+-----+-----+
+| 6 | 2421 | 2427
+-----+-----+
-| 50 | 30793 | 30843
+-----+-----+
E 56 33214 33270
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 1.53 (0.59 <OR< 3.71*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 1.52 (0.65 <RR< 3.55)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.97 0.3247173
Mantel-Haenszel: 0.97 0.3247245
Yates corrected: 0.53 0.4668197
Fisher exact: 1-tailed P-value: 0.2224645
2-tailed P-value: 0.3000506

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  6 | 1469 | 1475   Odds ratio = 1.61 (0.62 <OR< 3.92*)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  50 | 19726 | 19776 *Cornfield not accurate. Exact limits preferred.
+-----+-----+   Relative risk = 1.61 (0.69 <RR< 3.75)
E  56  21195  21251   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
x
p
o
s
u
r
e

```

```

Chi-Squares P-values
-----
Uncorrected : 1.24 0.2659033
Mantel-Haenszel: 1.24 0.2659146
Yates corrected: 0.72 0.3957147
Fisher exact: 1-tailed P-value: 0.1909688
2-tailed P-value: 0.2828429

```

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  6 | 1827 | 1833   Odds ratio = 1.57 (0.60 <OR< 3.81*)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  50 | 23860 | 23910 *Cornfield not accurate. Exact limits preferred.
+-----+-----+   Relative risk = 1.57 (0.67 <RR< 3.65)
E  56  25687  25743   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
x
p
o
s
u
r
e

```

```

Chi-Squares P-values
-----
Uncorrected : 1.10 0.2951276
Mantel-Haenszel: 1.10 0.2951370
Yates corrected: 0.62 0.4313749
Fisher exact: 1-tailed P-value: 0.2067134
2-tailed P-value: 0.2910606

```

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  6 | 2421 | 2427   Odds ratio = 1.45 (0.47 <OR< 4.32*)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  10 | 5841 | 5851 *Cornfield not accurate. Exact limits preferred.
+-----+-----+   Relative risk = 1.45 (0.53 <RR< 3.98)
E  16  8262  8278   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
x
p
o
s
u
r
e

```

```

Chi-Squares P-values
-----
Uncorrected : 0.52 0.4717835
Mantel-Haenszel: 0.52 0.4718103
Yates corrected: 0.20 0.6565193
Fisher exact: 1-tailed P-value: 0.3178234

```

2-tailed P-value: 0.5824244
 An expected cell value is less than 5.
 Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+|  6 | 1469 | 1475
+-----+-----+
-| 10 | 3132 | 3142
+-----+-----+
E 16  4601  4617
x
p
o
s
u
r
Analysis of Single Table
Odds ratio = 1.28 (0.41 <OR< 3.82*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 1.28 (0.47 <RR< 3.51)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares  P-values
-----  -----
Uncorrected  :  0.23  0.6332276
Mantel-Haenszel:  0.23  0.6332644
Yates corrected:  0.04  0.8347298
  
```

```

+ Disease -
+-----+-----+
+|  6 | 1827 | 1833
+-----+-----+
-| 10 | 3555 | 3565
+-----+-----+
E 16  5382  5398
x
p
o
s
u
r
Analysis of Single Table
Odds ratio = 1.17 (0.38 <OR< 3.49*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 1.17 (0.42 <RR< 3.21)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares  P-values
-----  -----
Uncorrected  :  0.09  0.7644016
Mantel-Haenszel:  0.09  0.7644228
Yates corrected:  0.00  0.9717947
  
```

```

+ Disease -
+-----+-----+
+|  6 | 2421 | 2427
+-----+-----+
-| 13 | 9548 | 9561
+-----+-----+
E 19 11969 11988
x
p
o
s
u
r
e
Analysis of Single Table
Odds ratio = 1.82 (0.62 <OR< 5.13*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 1.82 (0.69 <RR< 4.78)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares  P-values
-----  -----
Uncorrected  :  1.51  0.2185400
Mantel-Haenszel:  1.51  0.2185593
Yates corrected:  0.89  0.3447979
Fisher exact: 1-tailed P-value: 0.1699951
                2-tailed P-value: 0.2489952
  
```

An expected cell value is less than 5.
 Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 6 | 1469 | 1475
+-----+-----+
-| 13 | 5856 | 5869
+-----+-----+
E 19 7325 7344
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 1.84 (0.62 <OR< 5.19*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 1.84 (0.70 <RR< 4.82)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 1.57 0.2104852
Mantel-Haenszel: 1.57 0.2105162
Yates corrected: 0.93 0.3342725
Fisher exact: 1-tailed P-value: 0.1652165
2-tailed P-value: 0.2465207

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 6 | 1827 | 1833
+-----+-----+
-| 13 | 7804 | 7817
+-----+-----+
E 19 9631 9650
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 1.97 (0.67 <OR< 5.56*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 1.97 (0.75 <RR< 5.17)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 1.96 0.1615848
Mantel-Haenszel: 1.96 0.1616066
Yates corrected: 1.23 0.2682746
Fisher exact: 1-tailed P-value: 0.1353586
2-tailed P-value: 0.2348010

An expected cell value is less than 5.
Fisher exact results recommended.

10) PROG 10 – MYELOPROLIFERATIVE DISEASE

```

+ Disease -
+-----+-----+
+| 15 | 2421 | 2436
+-----+-----+
-| 97 | 14851 | 14948
+-----+-----+
E 112 17272 17384
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.95 (0.53 <OR< 1.68)
Cornfield 95% confidence limits for OR
Relative risk = 0.95 (0.55 <RR< 1.63)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.04 0.8495866
Mantel-Haenszel: 0.04 0.8495909
Yates corrected: 0.00 0.9576535

```

+ Disease -
+-----+-----+
+| 15 | 1469 | 1484
+-----+-----+
-| 97 | 9607 | 9704
+-----+-----+
E 112 11076 11188
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.01 (0.56 <OR< 1.79)
Cornfield 95% confidence limits for OR
Relative risk = 1.01 (0.59 <RR< 1.74)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.00 0.9678211
Mantel-Haenszel: 0.00 0.9678226
Yates corrected: 0.01 0.9206209

```

```

+ Disease -
+-----+-----+
+| 15 | 1827 | 1842
+-----+-----+
-| 97 | 10855 | 10952
+-----+-----+
E 112 12682 12794
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.92 (0.51 <OR< 1.63)
Cornfield 95% confidence limits for OR
Relative risk = 0.92 (0.53 <RR< 1.58)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.09 0.7610123
Mantel-Haenszel: 0.09 0.7610214
Yates corrected: 0.03 0.8658122

```

```

+ Disease -
+-----+-----+
+| 15 | 2421 | 2436
+-----+-----+
-| 65 | 12594 | 12659
+-----+-----+
E 80 15015 15095
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.20 (0.66 <OR< 2.17)
Cornfield 95% confidence limits for OR
Relative risk = 1.20 (0.69 <RR< 2.10)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.41 0.5242570
Mantel-Haenszel: 0.41 0.5242707
Yates corrected: 0.23 0.6280764

```

```

+ Disease -
+-----+-----+
+| 15 | 1469 | 1484
+-----+-----+
-| 65 | 7041 | 7106
+-----+-----+
E 80 8510 8590
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.11 (0.60 <OR< 2.00)
Cornfield 95% confidence limits for OR
Relative risk = 1.11 (0.63 <RR< 1.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.12 0.7260369
Mantel-Haenszel: 0.12 0.7260523
Yates corrected: 0.04 0.8400451

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.09 (0.59 <OR< 1.96)
+ 15 1827 1842	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.09 (0.62 <RR< 1.90)
- 65 8617 8682	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 80 10444 10524	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.09 0.7682405
s	Mantel-Haenszel: 0.09 0.7682511
u	Yates corrected: 0.02 0.8831306

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 0.97 (0.55 <OR< 1.68)
+ 15 2421 2436	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 0.97 (0.57 <RR< 1.63)
- 197 30793 30990	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 212 33214 33426	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.01 0.9050530
s	Mantel-Haenszel: 0.01 0.9050545
u	Yates corrected: 0.00 0.9894277

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.02 (0.58 <OR< 1.77)
+ 15 1469 1484	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.02 (0.61 <RR< 1.72)
- 197 19726 19923	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 212 21195 21407	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.01 0.9342706
s	Mantel-Haenszel: 0.01 0.9342721
u	Yates corrected: 0.00 0.9574153

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 0.99 (0.56 <OR< 1.72)
+ 15 1827 1842	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 0.99 (0.59 <RR< 1.68)
- 197 23860 24057	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 212 25687 25899	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.00 0.9833123
s	Mantel-Haenszel: 0.00 0.9833126
u	Yates corrected: 0.01 0.9098420

```

+ Disease -
+-----+-----+
+| 15 | 2421 | 2436
+-----+-----+
-| 31 | 5841 | 5872
+-----+-----+
E 46 8262 8308
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.17 (0.60 <OR< 2.24)
Cornfield 95% confidence limits for OR
Relative risk = 1.17 (0.63 <RR< 2.16)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.24 0.6233133
Mantel-Haenszel: 0.24 0.6233342
Yates corrected: 0.11 0.7423302

```

+ Disease -
+-----+-----+
+| 15 | 1469 | 1484
+-----+-----+
-| 31 | 3132 | 3163
+-----+-----+
E 46 4601 4647
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.03 (0.53 <OR< 1.99)
Cornfield 95% confidence limits for OR
Relative risk = 1.03 (0.56 <RR< 1.90)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.01 0.9214916
Mantel-Haenszel: 0.01 0.9215000
Yates corrected: 0.00 0.9518711

```

+ Disease -
+-----+-----+
+| 15 | 1827 | 1842
+-----+-----+
-| 31 | 3555 | 3586
+-----+-----+
E 46 5382 5428
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.94 (0.48 <OR< 1.81)
Cornfield 95% confidence limits for OR
Relative risk = 0.94 (0.51 <RR< 1.74)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.04 0.8486716
Mantel-Haenszel: 0.04 0.8486853
Yates corrected: 0.00 0.9725163

```

+ Disease -
+-----+-----+
+| 15 | 2421 | 2436
+-----+-----+
-| 27 | 9548 | 9575
+-----+-----+
E 42 11969 12011
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.19 (1.11 <OR< 4.28)
Cornfield 95% confidence limits for OR
Relative risk = 2.18 (1.16 <RR< 4.10)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 6.21 0.0127118 ---
Mantel-Haenszel: 6.21 0.0127155 ---
Yates corrected: 5.29 0.0214747 ---

```

+ Disease -
+-----+-----+
+| 15 | 1469 | 1484
+-----+-----+
-| 27 | 5856 | 5883
+-----+-----+
E 42 7325 7367
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.21 (1.12 <OR< 4.33)
Cornfield 95% confidence limits for OR
Relative risk = 2.20 (1.17 <RR< 4.13)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 6.37 0.0116314 ---
Mantel-Haenszel: 6.37 0.0116371 ---
Yates corrected: 5.43 0.0197945 ---

```

+ Disease -
+-----+-----+
+| 15 | 1827 | 1842
+-----+-----+
-| 27 | 7804 | 7831
+-----+-----+
E 42 9631 9673
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.37 (1.20 <OR< 4.64)
Cornfield 95% confidence limits for OR
Relative risk = 2.36 (1.26 <RR< 4.43)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 7.61 0.0058201 ---
Mantel-Haenszel: 7.60 0.0058227 ---
Yates corrected: 6.56 0.0104425 ---

11) PROG 11 – NERVOUS SYSTEM MALIGNANCY

```

+ Disease -
+-----+-----+
+| 35 | 2421 | 2456
+-----+-----+
-| 255 | 14851 | 15106
+-----+-----+
E 290 17272 17562
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.84 (0.58 <OR< 1.22)
Cornfield 95% confidence limits for OR
Relative risk = 0.84 (0.59 <RR< 1.20)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.90 0.3428675
Mantel-Haenszel: 0.90 0.3428812
Yates corrected: 0.75 0.3880543

```

+ Disease -
+-----+-----+
+| 35 | 1469 | 1504
+-----+-----+
-| 255 | 9607 | 9862
+-----+-----+
E 290 11076 11366
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.90 (0.62 <OR< 1.30)
Cornfield 95% confidence limits for OR
Relative risk = 0.90 (0.63 <RR< 1.28)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.35 0.5536218
Mantel-Haenszel: 0.35 0.5536392
Yates corrected: 0.25 0.6138652

```

+ Disease -
+-----+-----+
+| 35 | 1827 | 1862
+-----+-----+
-| 255 | 10855 | 11110
+-----+-----+
E 290 12682 12972
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.82 (0.56 <OR< 1.18)
Cornfield 95% confidence limits for OR
Relative risk = 0.82 (0.58 <RR< 1.16)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.26 0.2616787
Mantel-Haenszel: 1.26 0.2616971
Yates corrected: 1.08 0.2993908

```

```

+ Disease -
+-----+-----+
+| 35 | 2421 | 2456
+-----+-----+
-| 197 | 12594 | 12791
+-----+-----+
E 232 15015 15247
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.92 (0.63 <OR< 1.34)
Cornfield 95% confidence limits for OR
Relative risk = 0.93 (0.65 <RR< 1.32)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.18 0.6696202
Mantel-Haenszel: 0.18 0.6696304
Yates corrected: 0.11 0.7363555

```

```

+ Disease -
+-----+-----+
+| 35 | 1469 | 1504
+-----+-----+
-| 197 | 7041 | 7238
+-----+-----+
E 232 8510 8742
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.85 (0.58 <OR< 1.24)
Cornfield 95% confidence limits for OR
Relative risk = 0.86 (0.60 <RR< 1.22)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.75 0.3862828
Mantel-Haenszel: 0.75 0.3863100
Yates corrected: 0.61 0.4364372

```

```

+ Disease -
+-----+-----+
+| 35 | 1827 | 1862
+-----+-----+
-| 197 | 8617 | 8814
+-----+-----+
E 232 10444 10676
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.84 (0.57 <OR< 1.22)
Cornfield 95% confidence limits for OR
Relative risk = 0.84 (0.59 <RR< 1.20)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.91 0.3392503
Mantel-Haenszel: 0.91 0.3392729
Yates corrected: 0.75 0.3852938

```

```

+ Disease -
+-----+-----+
+| 35 | 2421 | 2456
+-----+-----+
-| 431 | 30793 | 31224
+-----+-----+
E 466 33214 33680
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.03 (0.72 <OR< 1.48)
Cornfield 95% confidence limits for OR
Relative risk = 1.03 (0.73 <RR< 1.45)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.03 0.8550069
Mantel-Haenszel: 0.03 0.8550090
Yates corrected: 0.01 0.9258806

```

```

+ Disease -
+-----+-----+
+| 35 | 1469 | 1504
+-----+-----+
-| 431 | 19726 | 20157
+-----+-----+
E 466 21195 21661
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.09 (0.76 <OR< 1.56)
Cornfield 95% confidence limits for OR
Relative risk = 1.09 (0.77 <RR< 1.53)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.24 0.6261800
Mantel-Haenszel: 0.24 0.6261880
Yates corrected: 0.16 0.6928479

```

```

+ Disease -
+-----+-----+
+| 35 | 1827 | 1862
+-----+-----+
-| 431 | 23860 | 24291
+-----+-----+
E 466 25687 26153
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.06 (0.74 <OR< 1.52)
Cornfield 95% confidence limits for OR
Relative risk = 1.06 (0.75 <RR< 1.49)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.11 0.7404418
Mantel-Haenszel: 0.11 0.7404466
Yates corrected: 0.06 0.8100327

```

```

+ Disease -
+-----+-----+
+| 35 | 2421 | 2456
+-----+-----+
-| 71 | 5841 | 5912
+-----+-----+
E 106 8262 8368
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.19 (0.78 <OR< 1.82)
Cornfield 95% confidence limits for OR
Relative risk = 1.19 (0.79 <RR< 1.77)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.70 0.4038061
Mantel-Haenszel: 0.70 0.4038342
Yates corrected: 0.53 0.4669124

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.05 (0.68 <OR< 1.61)
+ 35 1469 1504	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.05 (0.70 <RR< 1.57)
- 71 3132 3203	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 106 4601 4707	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.06 0.8117506
s	Mantel-Haenszel: 0.06 0.8117702
u	Yates corrected: 0.02 0.8943314

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 0.96 (0.62 <OR< 1.47)
+ 35 1827 1862	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 0.96 (0.64 <RR< 1.43)
- 71 3555 3626	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 106 5382 5488	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.04 0.8416719
s	Mantel-Haenszel: 0.04 0.8416862
u	Yates corrected: 0.01 0.9233788
r	

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.24 (0.83 <OR< 1.85)
+ 35 2421 2456	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.24 (0.85 <RR< 1.81)
- 111 9548 9659	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 146 11969 12115	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 1.25 0.2631962
s	Mantel-Haenszel: 1.25 0.2632159
u	Yates corrected: 1.03 0.3099562

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.26 (0.84 <OR< 1.87)
+ 35 1469 1504	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.25 (0.86 <RR< 1.82)
- 111 5856 5967	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 146 7325 7471	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 1.37 0.2423851
s	Mantel-Haenszel: 1.37 0.2424166
u	Yates corrected: 1.13 0.2869552

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  35 | 1827 | 1862   Odds ratio = 1.35 (0.90 <OR< 2.01)
+-----+-----+
+| 111 | 7804 | 7915   Cornfield 95% confidence limits for OR
+-----+-----+
-| 111 | 7804 | 7915   Relative risk = 1.34 (0.92 <RR< 1.95)
+-----+-----+
-| 111 | 7804 | 7915   Taylor Series 95% confidence limits for RR
+-----+-----+
E 146  9631  9777   Ignore relative risk if case control study.
x
x
P
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  2.33  0.1265362
Mantel-Haenszel:  2.33  0.1265556
Yates corrected:  2.02  0.1551068

```

12) PROG 12 – FEMALE BREAST CANCER

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  98 | 2421 | 2519   Odds ratio = 0.92 (0.74 <OR< 1.15)
+-----+-----+
+| 651 | 14851 | 15502  Cornfield 95% confidence limits for OR
+-----+-----+
-| 651 | 14851 | 15502  Relative risk = 0.93 (0.75 <RR< 1.14)
+-----+-----+
-| 651 | 14851 | 15502  Taylor Series 95% confidence limits for RR
+-----+-----+
E 749  17272  18021  Ignore relative risk if case control study.
x
x
P
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  0.52  0.4710687
Mantel-Haenszel:  0.52  0.4710810
Yates corrected:  0.44  0.5048204

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  98 | 1469 | 1567   Odds ratio = 0.98 (0.79 <OR< 1.23)
+-----+-----+
+| 651 | 9607 | 10258  Cornfield 95% confidence limits for OR
+-----+-----+
-| 651 | 9607 | 10258  Relative risk = 0.99 (0.80 <RR< 1.21)
+-----+-----+
-| 651 | 9607 | 10258  Taylor Series 95% confidence limits for RR
+-----+-----+
E 749  11076  11825  Ignore relative risk if case control study.
x
x
P
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  0.02  0.8889136
Mantel-Haenszel:  0.02  0.8889182
Yates corrected:  0.01  0.9330545

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  98 | 1827 | 1925   Odds ratio = 0.89 (0.71 <OR< 1.12)
+-----+-----+
+| 651 | 10855 | 11506  Cornfield 95% confidence limits for OR
+-----+-----+
-| 651 | 10855 | 11506  Relative risk = 0.90 (0.73 <RR< 1.11)
+-----+-----+
-| 651 | 10855 | 11506  Taylor Series 95% confidence limits for RR
+-----+-----+
E 749  12682  13431  Ignore relative risk if case control study.
x
x
P
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  1.01  0.3156541
Mantel-Haenszel:  1.01  0.3156721
Yates corrected:  0.90  0.3422279

```

```

+ Disease -
+-----+-----+
+| 98 | 2421 | 2519
+-----+-----+
-| 502 | 12594 | 13096
+-----+-----+
E 600 15015 15615
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.02 (0.81 <OR< 1.27)
Cornfield 95% confidence limits for OR
Relative risk = 1.01 (0.82 <RR< 1.25)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.02 0.8912050
Mantel-Haenszel: 0.02 0.8912085
Yates corrected: 0.01 0.9360887

```

```

+ Disease -
+-----+-----+
+| 98 | 1469 | 1567
+-----+-----+
-| 502 | 7041 | 7543
+-----+-----+
E 600 8510 9110
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.94 (0.74 <OR< 1.18)
Cornfield 95% confidence limits for OR
Relative risk = 0.94 (0.76 <RR< 1.16)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.34 0.5601596
Mantel-Haenszel: 0.34 0.5601812
Yates corrected: 0.28 0.5984426

```

```

+ Disease -
+-----+-----+
+| 98 | 1827 | 1925
+-----+-----+
-| 502 | 8617 | 9119
+-----+-----+
E 600 10444 11044
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.92 (0.73 <OR< 1.16)
Cornfield 95% confidence limits for OR
Relative risk = 0.92 (0.75 <RR< 1.14)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.53 0.4664119
Mantel-Haenszel: 0.53 0.4664321
Yates corrected: 0.45 0.5009477

```

```

+ Disease -
+-----+-----+
+| 98 | 2421 | 2519
+-----+-----+
-| 1307 | 30793 | 32100
+-----+-----+
E 1405 33214 34619
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.95 (0.77 <OR< 1.18)
Cornfield 95% confidence limits for OR
Relative risk = 0.96 (0.78 <RR< 1.17)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.20 0.6571576
Mantel-Haenszel: 0.20 0.6571622
Yates corrected: 0.15 0.6954932

```

```

+ Disease -
+-----+-----+
+| 98 | 1469 | 1567
+-----+-----+
-| 1307 | 19726 | 21033
+-----+-----+
E 1405 21195 22600
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.01 (0.81 <OR< 1.25)
Cornfield 95% confidence limits for OR
Relative risk = 1.01 (0.83 <RR< 1.23)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.00 0.9496283
Mantel-Haenszel: 0.00 0.9496294
Yates corrected: 0.00 0.9928595

```

```

+ Disease -
+-----+-----+
+| 98 | 1827 | 1925
+-----+-----+
-| 1307 | 23860 | 25167
+-----+-----+
E 1405 25687 27092
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.98 (0.79 <OR< 1.21)
Cornfield 95% confidence limits for OR
Relative risk = 0.98 (0.80 <RR< 1.20)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.04 0.8451747
Mantel-Haenszel: 0.04 0.8451775
Yates corrected: 0.02 0.8871141

```

```

+ Disease -
+-----+-----+
+| 98 | 2421 | 2519
+-----+-----+
-| 201 | 5841 | 6042
+-----+-----+
E 299 8262 8561
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.18 (0.91 <OR< 1.52)
Cornfield 95% confidence limits for OR
Relative risk = 1.17 (0.92 <RR< 1.48)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.68 0.1954417
Mantel-Haenszel: 1.68 0.1954678
Yates corrected: 1.51 0.2186759

```

```

+ Disease -
+-----+-----+
+| 98 | 1469 | 1567
+-----+-----+
-| 201 | 3132 | 3333
+-----+-----+
E 299 4601 4900
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.04 (0.80 <OR< 1.34)
Cornfield 95% confidence limits for OR
Relative risk = 1.04 (0.82 <RR< 1.31)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.09 0.7606102
Mantel-Haenszel: 0.09 0.7606339
Yates corrected: 0.06 0.8097886

```

```

+ Disease -
+-----+-----+
+| 98 | 1827 | 1925
+-----+-----+
-| 201 | 3555 | 3756
+-----+-----+
E 299 5382 5681
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.95 (0.73 <OR< 1.22)
Cornfield 95% confidence limits for OR
Relative risk = 0.95 (0.75 <RR< 1.20)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.17 0.6772381
Mantel-Haenszel: 0.17 0.6772649
Yates corrected: 0.12 0.7237366

```

```

+ Disease -
+-----+-----+
+| 98 | 2421 | 2519
+-----+-----+
-| 297 | 9548 | 9845
+-----+-----+
E 395 11969 12364
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.30 (1.02 <OR< 1.65)
Cornfield 95% confidence limits for OR
Relative risk = 1.29 (1.03 <RR< 1.61)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.95 0.0260837 ---
Mantel-Haenszel: 4.95 0.0260897 ---
Yates corrected: 4.67 0.0306583 ---

```

```

+ Disease -
+-----+-----+
+| 98 | 1469 | 1567
+-----+-----+
-| 297 | 5856 | 6153
+-----+-----+
E 395 7325 7720
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.32 (1.03 <OR< 1.68)
Cornfield 95% confidence limits for OR
Relative risk = 1.30 (1.04 <RR< 1.62)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.24 0.0220839 ---
Mantel-Haenszel: 5.24 0.0220925 ---
Yates corrected: 4.95 0.0261007 ---

```

```

+ Disease -
+-----+-----+
+| 98 | 1827 | 1925
+-----+-----+
-| 297 | 7804 | 8101
+-----+-----+
E 395 9631 10026
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.41 (1.11 <OR< 1.79)
Cornfield 95% confidence limits for OR
Relative risk = 1.39 (1.11 <RR< 1.74)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.34 0.0038738 ---
Mantel-Haenszel: 8.34 0.0038756 ---
Yates corrected: 7.97 0.0047563 ---

```

13) PROG 13 - RESPIRATORY MALIGNANCY

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  68 | 2421 | 2489   Odds ratio = 0.98 (0.75 <OR< 1.28)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 426 | 14851 | 15277 Relative risk = 0.98 (0.76 <RR< 1.26)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 494 17272 17766   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  : 0.03 0.8737193
Mantel-Haenszel: 0.03 0.8737228
Yates corrected: 0.01 0.9257428

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  68 | 1469 | 1537   Odds ratio = 1.04 (0.80 <OR< 1.37)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 426 | 9607 | 10033 Relative risk = 1.04 (0.81 <RR< 1.34)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 494 11076 11570   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  : 0.10 0.7475920
Mantel-Haenszel: 0.10 0.7476026
Yates corrected: 0.06 0.7994389

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  68 | 1827 | 1895   Odds ratio = 0.95 (0.72 <OR< 1.24)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 426 | 10855 | 11281 Relative risk = 0.95 (0.74 <RR< 1.22)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 494 12682 13176   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  : 0.16 0.6903678
Mantel-Haenszel: 0.16 0.6903789
Yates corrected: 0.11 0.7391257

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  68 | 2421 | 2489   Odds ratio = 1.01 (0.77 <OR< 1.33)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 349 | 12594 | 12943 Relative risk = 1.01 (0.78 <RR< 1.31)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 417 15015 15432   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  : 0.01 0.9201340
Mantel-Haenszel: 0.01 0.9201366
Yates corrected: 0.00 0.9738545

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 0.93 (0.71 <OR< 1.23)
+ 68 1469 1537	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 0.94 (0.73 <RR< 1.21)
- 349 7041 7390	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 417 8510 8927	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.25 0.6139838
s	Mantel-Haenszel: 0.25 0.6140036
u	Yates corrected: 0.19 0.6614085

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 0.92 (0.70 <OR< 1.21)
+ 68 1827 1895	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 0.92 (0.71 <RR< 1.19)
- 349 8617 8966	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 417 10444 10861	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.39 0.5313448
s	Mantel-Haenszel: 0.39 0.5313637
u	Yates corrected: 0.31 0.5753683

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 0.97 (0.75 <OR< 1.26)
+ 68 2421 2489	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 0.97 (0.76 <RR< 1.24)
- 888 30793 31681	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 956 33214 34170	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.04 0.8363264
s	Mantel-Haenszel: 0.04 0.8363287
u	Yates corrected: 0.02 0.8859117

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.03 (0.79 <OR< 1.33)
+ 68 1469 1537	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.03 (0.81 <RR< 1.31)
- 888 19726 20614	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 956 21195 22151	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.05 0.8284214
s	Mantel-Haenszel: 0.05 0.8284252
u	Yates corrected: 0.02 0.8794478

```

+ Disease -
+-----+-----+
+| 68 | 1827 | 1895
+-----+-----+
-| 888 | 23860 | 24748
+-----+-----+
E 956 25687 26643
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.00 (0.77 <OR< 1.29)
Cornfield 95% confidence limits for OR
Relative risk = 1.00 (0.78 <RR< 1.27)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.00 0.9996009
Mantel-Haenszel: 0.00 0.9996009
Yates corrected: 0.00 0.9493093

```

```

+ Disease -
+-----+-----+
+| 68 | 2421 | 2489
+-----+-----+
-| 208 | 5841 | 6049
+-----+-----+
E 276 8262 8538
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.79 (0.59 <OR< 1.05)
Cornfield 95% confidence limits for OR
Relative risk = 0.79 (0.61 <RR< 1.04)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.81 0.0934265
Mantel-Haenszel: 2.81 0.0934457
Yates corrected: 2.59 0.1073385

```

```

+ Disease -
+-----+-----+
+| 68 | 1469 | 1537
+-----+-----+
-| 208 | 3132 | 3340
+-----+-----+
E 276 4601 4877
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.70 (0.52 <OR< 0.93)
Cornfield 95% confidence limits for OR
Relative risk = 0.71 (0.54 <RR< 0.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.41 0.0113376 ---
Mantel-Haenszel: 6.41 0.0113460 ---
Yates corrected: 6.08 0.0136852 ---

```

```

+ Disease -
+-----+-----+
+| 68 | 1827 | 1895
+-----+-----+
-| 208 | 3555 | 3763
+-----+-----+
E 276 5382 5658
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.64 (0.48 <OR< 0.85)
Cornfield 95% confidence limits for OR
Relative risk = 0.65 (0.50 <RR< 0.85)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 10.21 0.0013944 ---
Mantel-Haenszel: 10.21 0.0013958 ---
Yates corrected: 9.80 0.0017456 ---

```

```

+ Disease -
+-----+-----+
+| 68 | 2421 | 2489
+-----+-----+
-| 220 | 9548 | 9768
+-----+-----+
E 288 11969 12257
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.22 (0.92 <OR< 1.62)
Cornfield 95% confidence limits for OR
Relative risk = 1.21 (0.93 <RR< 1.59)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.99 0.1583528
Mantel-Haenszel: 1.99 0.1583698
Yates corrected: 1.79 0.1813800

```

```

+ Disease -
+-----+-----+
+| 68 | 1469 | 1537
+-----+-----+
-| 220 | 5856 | 6076
+-----+-----+
E 288 7325 7613
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.23 (0.92 <OR< 1.64)
Cornfield 95% confidence limits for OR
Relative risk = 1.22 (0.94 <RR< 1.59)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.18 0.1402460
Mantel-Haenszel: 2.17 0.1402720
Yates corrected: 1.96 0.1614987

```

```

+ Disease -
+-----+-----+
+| 68 | 1827 | 1895
+-----+-----+
-| 220 | 7804 | 8024
+-----+-----+
E 288 9631 9919
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.32 (0.99 <OR< 1.76)
Cornfield 95% confidence limits for OR
Relative risk = 1.31 (1.00 <RR< 1.71)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.90 0.0483604 ---
Mantel-Haenszel: 3.90 0.0483717 ---
Yates corrected: 3.60 0.0576789

```

14) PROG 14 - SEIZURES AND HEADACHES

```

+ Disease -
+-----+-----+
+| 114 | 2421 | 2535
+-----+-----+
-| 895 | 14851 | 15746
+-----+-----+
E 1009 17272 18281
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.78 (0.64 <OR< 0.96)
Cornfield 95% confidence limits for OR
Relative risk = 0.79 (0.65 <RR< 0.96)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.90 0.0151501 ---
Mantel-Haenszel: 5.90 0.0151529 ---
Yates corrected: 5.67 0.0172229 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 1469 | 1583
+-----+-----+
-| 895 | 9607 | 10502
+-----+-----+
E 1009 11076 12085
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.83 (0.68 <OR< 1.02)
Cornfield 95% confidence limits for OR
Relative risk = 0.85 (0.70 <RR< 1.02)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.14 0.0766024
Mantel-Haenszel: 3.14 0.0766146
Yates corrected: 2.97 0.0850666

```

```

+ Disease -
+-----+-----+
+| 114 | 1827 | 1941
+-----+-----+
-| 895 | 10855 | 11750
+-----+-----+
E 1009 12682 13691
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.76 (0.62 <OR< 0.93)
Cornfield 95% confidence limits for OR
Relative risk = 0.77 (0.64 <RR< 0.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.42 0.0064509 ---
Mantel-Haenszel: 7.42 0.0064529 ---
Yates corrected: 7.17 0.0074274 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 2421 | 2535
+-----+-----+
-| 798 | 12594 | 13392
+-----+-----+
E 912 15015 15927
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.74 (0.60 <OR< 0.91)
Cornfield 95% confidence limits for OR
Relative risk = 0.75 (0.62 <RR< 0.91)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.44 0.0036770 ---
Mantel-Haenszel: 8.44 0.0036781 ---
Yates corrected: 8.17 0.0042632 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 1469 | 1583
+-----+-----+
-| 798 | 7041 | 7839
+-----+-----+
E 912 8510 9422
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.68 (0.56 <OR< 0.84)
Cornfield 95% confidence limits for OR
Relative risk = 0.71 (0.59 <RR< 0.85)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 13.36 0.0002566 ---
Mantel-Haenszel: 13.36 0.0002568 ---
Yates corrected: 13.02 0.0003074 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 1827 | 1941
+-----+-----+
-| 798 | 8617 | 9415
+-----+-----+
E 912 10444 11356
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.67 (0.55 <OR< 0.83)
Cornfield 95% confidence limits for OR
Relative risk = 0.69 (0.57 <RR< 0.84)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 14.76 0.0001223 ---
Mantel-Haenszel: 14.76 0.0001223 ---
Yates corrected: 14.41 0.0001472 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 2421 | 2535
+-----+-----+
-| 1698 | 30793 | 32491
+-----+-----+
E 1812 33214 35026
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.85 (0.70 <OR< 1.04)
Cornfield 95% confidence limits for OR
Relative risk = 0.86 (0.71 <RR< 1.04)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.55 0.1104614
Mantel-Haenszel: 2.55 0.1104665
Yates corrected: 2.40 0.1212448

```

```

+ Disease -
+-----+-----+
+| 114 | 1469 | 1583
+-----+-----+
-| 1698 | 19726 | 21424
+-----+-----+
E 1812 21195 23007
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.90 (0.74 <OR< 1.10)
Cornfield 95% confidence limits for OR
Relative risk = 0.91 (0.76 <RR< 1.09)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.07 0.3019735
Mantel-Haenszel: 1.07 0.3019840
Yates corrected: 0.97 0.3251828

```

```

+ Disease -
+-----+-----+
+| 114 | 1827 | 1941
+-----+-----+
-| 1698 | 23860 | 25558
+-----+-----+
E 1812 25687 27499
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.88 (0.72 <OR< 1.07)
Cornfield 95% confidence limits for OR
Relative risk = 0.88 (0.74 <RR< 1.06)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.74 0.1871700
Mantel-Haenszel: 1.74 0.1871780
Yates corrected: 1.62 0.2035338

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.22 (0.96 <OR< 1.54)
+ 114 2421 2535	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.21 (0.97 <RR< 1.50)
- 226 5841 6067	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 340 8262 8602	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 2.81 0.0938737
s	Mantel-Haenszel: 2.81 0.0938928
u	Yates corrected: 2.61 0.1063931

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.08 (0.85 <OR< 1.37)
+ 114 1469 1583	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.07 (0.86 <RR< 1.33)
- 226 3132 3358	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 340 4601 4941	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.37 0.5413887
s	Mantel-Haenszel: 0.37 0.5414296
u	Yates corrected: 0.30 0.5819808

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 0.98 (0.77 <OR< 1.25)
+ 114 1827 1941	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 0.98 (0.79 <RR< 1.22)
- 226 3555 3781	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 340 5382 5722	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.02 0.8748210
s	Mantel-Haenszel: 0.02 0.8748318
u	Yates corrected: 0.01 0.9215497

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.24 (0.99 <OR< 1.54)
+ 114 2421 2535	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.22 (1.00 <RR< 1.50)
- 364 9548 9912	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 478 11969 12447	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 3.72 0.0538213
s	Mantel-Haenszel: 3.72 0.0538309
u	Yates corrected: 3.50 0.0614336

```

+ Disease -
+-----+-----+
+| 114 | 1469 | 1583
+-----+-----+
-| 364 | 5856 | 6220
+-----+-----+
E 478 7325 7803
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.25 (1.00 <OR< 1.56)
Cornfield 95% confidence limits for OR
Relative risk = 1.23 (1.00 <RR< 1.51)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

Chi-Squares P-values
-----
Uncorrected : 4.00 0.0456158 ---
Mantel-Haenszel: 4.00 0.0456297 ---
Yates corrected: 3.76 0.0523512

```

```

+ Disease -
+-----+-----+
+| 114 | 1827 | 1941
+-----+-----+
-| 364 | 7804 | 8168
+-----+-----+
E 478 9631 10109
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.34 (1.07 <OR< 1.67)
Cornfield 95% confidence limits for OR
Relative risk = 1.32 (1.07 <RR< 1.62)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

Chi-Squares P-values
-----
Uncorrected : 6.99 0.0082027 ---
Mantel-Haenszel: 6.99 0.0082058 ---
Yates corrected: 6.68 0.0097626 ---

```

15) PROG 15 – DIGESTIVE CANCER

```

+ Disease -
+-----+-----+
+| 22 | 2421 | 2443
+-----+-----+
-| 238 | 14851 | 15089
+-----+-----+
E 260 17272 17532
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.57 (0.36 <OR< 0.89)
Cornfield 95% confidence limits for OR
Relative risk = 0.57 (0.37 <RR< 0.88)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

Chi-Squares P-values
-----
Uncorrected : 6.59 0.0102463 ---
Mantel-Haenszel: 6.59 0.0102484 ---
Yates corrected: 6.14 0.0132420 ---

```

```

+ Disease -
+-----+-----+
+| 22 | 1469 | 1491
+-----+-----+
-| 238 | 9607 | 9845
+-----+-----+
E 260 11076 11336
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.60 (0.38 <OR< 0.96)
Cornfield 95% confidence limits for OR
Relative risk = 0.61 (0.40 <RR< 0.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

Chi-Squares P-values
-----
Uncorrected : 5.13 0.0235580 ---
Mantel-Haenszel: 5.13 0.0235641 ---
Yates corrected: 4.72 0.0298976 ---

```

```

+ Disease -
+-----+-----+
+| 22 | 1827 | 1849
+-----+-----+
-| 238 | 10855 | 11093
+-----+-----+
E 260 12682 12942
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.55 (0.34 <OR< 0.87)
Cornfield 95% confidence limits for OR
Relative risk = 0.55 (0.36 <RR< 0.86)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.35 0.0066968 ---
Mantel-Haenszel: 7.35 0.0066989 ---
Yates corrected: 6.88 0.0087405 ---

```

```

+ Disease -
+-----+-----+
+| 22 | 2421 | 2443
+-----+-----+
-| 131 | 12594 | 12725
+-----+-----+
E 153 15015 15168
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.87 (0.54 <OR< 1.40)
Cornfield 95% confidence limits for OR
Relative risk = 0.87 (0.56 <RR< 1.37)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.34 0.5591185
Mantel-Haenszel: 0.34 0.5591315
Yates corrected: 0.22 0.6357669

```

```

+ Disease -
+-----+-----+
+| 22 | 1469 | 1491
+-----+-----+
-| 131 | 7041 | 7172
+-----+-----+
E 153 8510 8663
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.80 (0.50 <OR< 1.29)
Cornfield 95% confidence limits for OR
Relative risk = 0.81 (0.52 <RR< 1.26)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.88 0.3491085
Mantel-Haenszel: 0.88 0.3491363
Yates corrected: 0.69 0.4075146

```

```

+ Disease -
+-----+-----+
+| 22 | 1827 | 1849
+-----+-----+
-| 131 | 8617 | 8748
+-----+-----+
E 153 10444 10597
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.79 (0.49 <OR< 1.27)
Cornfield 95% confidence limits for OR
Relative risk = 0.79 (0.51 <RR< 1.24)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.02 0.3136378
Mantel-Haenszel: 1.02 0.3136606
Yates corrected: 0.81 0.3679434

```

```

+ Disease -
+-----+-----+
+| 22 | 2421 | 2443
+-----+-----+
-| 393 | 30793 | 31186
+-----+-----+
E 415 33214 33629
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.71 (0.45 <OR< 1.11)
Cornfield 95% confidence limits for OR
Relative risk = 0.71 (0.47 <RR< 1.10)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.40 0.1210039
Mantel-Haenszel: 2.40 0.1210094
Yates corrected: 2.12 0.1455523

```

```

+ Disease -
+-----+-----+
+| 22 | 1469 | 1491
+-----+-----+
-| 393 | 19726 | 20119
+-----+-----+
E 415 21195 21610
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.75 (0.48 <OR< 1.18)
Cornfield 95% confidence limits for OR
Relative risk = 0.76 (0.49 <RR< 1.16)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.68 0.1945416
Mantel-Haenszel: 1.68 0.1945519
Yates corrected: 1.44 0.2303429

```

```

+ Disease -
+-----+-----+
+| 22 | 1827 | 1849
+-----+-----+
-| 393 | 23860 | 24253
+-----+-----+
E 415 25687 26102
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.73 (0.46 <OR< 1.14)
Cornfield 95% confidence limits for OR
Relative risk = 0.73 (0.48 <RR< 1.13)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.04 0.1536339
Mantel-Haenszel: 2.04 0.1536417
Yates corrected: 1.77 0.1833949

```

```

+ Disease -
+-----+-----+
+| 22 | 2421 | 2443
+-----+-----+
-| 75 | 5841 | 5916
+-----+-----+
E 97 8262 8359
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.71 (0.43 <OR< 1.17)
Cornfield 95% confidence limits for OR
Relative risk = 0.71 (0.44 <RR< 1.14)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.03 0.1539375
Mantel-Haenszel: 2.03 0.1539622
Yates corrected: 1.73 0.1890207

```

```

+ Disease -
+-----+-----+
+| 22 | 1469 | 1491
+-----+-----+
-| 75 | 3132 | 3207
+-----+-----+
E 97 4601 4698
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.63 (0.38 <OR< 1.03)
Cornfield 95% confidence limits for OR
Relative risk = 0.63 (0.39 <RR< 1.01)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.75 0.0528154
Mantel-Haenszel: 3.75 0.0528406
Yates corrected: 3.34 0.0678182

```

```

+ Disease -
+-----+-----+
+| 22 | 1827 | 1849
+-----+-----+
-| 75 | 3555 | 3630
+-----+-----+
E 97 5382 5479
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.57 (0.34 <OR< 0.94)
Cornfield 95% confidence limits for OR
Relative risk = 0.58 (0.36 <RR< 0.92)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.41 0.0200330 ---
Mantel-Haenszel: 5.41 0.0200443 ---
Yates corrected: 4.92 0.0265957 ---

```

```

+ Disease -
+-----+-----+
+| 22 | 2421 | 2443
+-----+-----+
-| 86 | 9548 | 9634
+-----+-----+
E 108 11969 12077
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.01 (0.61 <OR< 1.65)
Cornfield 95% confidence limits for OR
Relative risk = 1.01 (0.63 <RR< 1.61)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.00 0.9705973
Mantel-Haenszel: 0.00 0.9705985
Yates corrected: 0.01 0.9334928

```

```

+ Disease -
+-----+-----+
+| 22 | 1469 | 1491
+-----+-----+
-| 86 | 5856 | 5942
+-----+-----+
E 108 7325 7433
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.02 (0.62 <OR< 1.67)
Cornfield 95% confidence limits for OR
Relative risk = 1.02 (0.64 <RR< 1.62)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.01 0.9351642
Mantel-Haenszel: 0.01 0.9351685
Yates corrected: 0.00 0.9683471

```

```

+ Disease -
+-----+-----+
+| 22 | 1827 | 1849
+-----+-----+
-| 86 | 7804 | 7890
+-----+-----+
E 108 9631 9739
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.09 (0.66 <OR< 1.79)
Cornfield 95% confidence limits for OR
Relative risk = 1.09 (0.69 <RR< 1.74)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.14 0.7121172
Mantel-Haenszel: 0.14 0.7121313
Yates corrected: 0.06 0.8059528

```

16) PROG 16 – COPD

```

+ Disease -
+-----+-----+
+| 126 | 2421 | 2547
+-----+-----+
-| 968 | 14851 | 15819
+-----+-----+
E 1094 17272 18366
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.80 (0.66 <OR< 0.97)
Cornfield 95% confidence limits for OR
Relative risk = 0.81 (0.67 <RR< 0.97)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.38 0.0203538 ---
Mantel-Haenszel: 5.38 0.0203573 ---
Yates corrected: 5.17 0.0229265 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 1469 | 1595
+-----+-----+
-| 968 | 9607 | 10575
+-----+-----+
E 1094 11076 12170
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.85 (0.70 <OR< 1.04)
Cornfield 95% confidence limits for OR
Relative risk = 0.86 (0.72 <RR< 1.03)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.66 0.1026515
Mantel-Haenszel: 2.66 0.1026656
Yates corrected: 2.51 0.1129260

```

```

+ Disease -
+-----+-----+
+| 126 | 1827 | 1953
+-----+-----+
-| 968 | 10855 | 11823
+-----+-----+
E 1094 12682 13776
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.77 (0.64 <OR< 0.94)
Cornfield 95% confidence limits for OR
Relative risk = 0.79 (0.66 <RR< 0.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.91 0.0085808 ---
Mantel-Haenszel: 6.91 0.0085832 ---
Yates corrected: 6.67 0.0097902 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 2421 | 2547
+-----+-----+
-| 788 | 12594 | 13382
+-----+-----+
E 914 15015 15929
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.83 (0.68 <OR< 1.01)
Cornfield 95% confidence limits for OR
Relative risk = 0.84 (0.70 <RR< 1.01)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.51 0.0611155
Mantel-Haenszel: 3.51 0.0611237
Yates corrected: 3.33 0.0678230

```

```

+ Disease -
+-----+-----+
+| 126 | 1469 | 1595
+-----+-----+
-| 788 | 7041 | 7829
+-----+-----+
E 914 8510 9424
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.77 (0.63 <OR< 0.94)
Cornfield 95% confidence limits for OR
Relative risk = 0.78 (0.66 <RR< 0.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.09 0.0077318 ---
Mantel-Haenszel: 7.09 0.0077351 ---
Yates corrected: 6.85 0.0088668 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 1827 | 1953
+-----+-----+
-| 788 | 8617 | 9405
+-----+-----+
E 914 10444 11358
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.75 (0.62 <OR< 0.92)
Cornfield 95% confidence limits for OR
Relative risk = 0.77 (0.64 <RR< 0.92)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.11 0.0043908 ---
Mantel-Haenszel: 8.11 0.0043925 ---
Yates corrected: 7.86 0.0050642 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 2421 | 2547
+-----+-----+
-| 2089 | 30793 | 32882
+-----+-----+
E 2215 33214 35429
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.77 (0.64 <OR< 0.93)
Cornfield 95% confidence limits for OR
Relative risk = 0.78 (0.65 <RR< 0.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.97 0.0047473 ---
Mantel-Haenszel: 7.97 0.0047479 ---
Yates corrected: 7.74 0.0054155 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 1469 | 1595
+-----+-----+
-| 2089 | 19726 | 21815
+-----+-----+
E 2215 21195 23410
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.81 (0.67 <OR< 0.98)
Cornfield 95% confidence limits for OR
Relative risk = 0.82 (0.69 <RR< 0.98)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.88 0.0272421 ---
Mantel-Haenszel: 4.88 0.0272454 ---
Yates corrected: 4.68 0.0304859 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 1827 | 1953
+-----+-----+
-| 2089 | 23860 | 25949
+-----+-----+
E 2215 25687 27902
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.79 (0.65 <OR< 0.95)
Cornfield 95% confidence limits for OR
Relative risk = 0.80 (0.67 <RR< 0.95)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.35 0.0117205 ---
Mantel-Haenszel: 6.35 0.0117220 ---
Yates corrected: 6.14 0.0132473 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 2421 | 2547
+-----+-----+
-| 457 | 5841 | 6298
+-----+-----+
E 583 8262 8845
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.67 (0.54 <OR< 0.82)
Cornfield 95% confidence limits for OR
Relative risk = 0.68 (0.56 <RR< 0.83)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 15.71 0.0000739 ---
Mantel-Haenszel: 15.71 0.0000740 ---
Yates corrected: 15.34 0.0000900 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 1469 | 1595
+-----+-----+
-| 457 | 3132 | 3589
+-----+-----+
E 583 4601 5184
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.59 (0.48 <OR< 0.73)
Cornfield 95% confidence limits for OR
Relative risk = 0.62 (0.51 <RR< 0.75)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 25.85 0.0000004 ---
Mantel-Haenszel: 25.84 0.0000004 ---
Yates corrected: 25.37 0.0000005 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 1827 | 1953
+-----+-----+
-| 457 | 3555 | 4012
+-----+-----+
E 583 5382 5965
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.54 (0.43 <OR< 0.66)
Cornfield 95% confidence limits for OR
Relative risk = 0.57 (0.47 <RR< 0.68)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 36.34 0.0000000 ---
Mantel-Haenszel: 36.33 0.0000000 ---
Yates corrected: 35.78 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 2421 | 2547
+-----+-----+
-| 782 | 9548 | 10330
+-----+-----+
E 908 11969 12877
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.64 (0.52 <OR< 0.77)
Cornfield 95% confidence limits for OR
Relative risk = 0.65 (0.54 <RR< 0.78)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 21.45 0.0000036 ---
Mantel-Haenszel: 21.45 0.0000036 ---
Yates corrected: 21.05 0.0000045 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 1469 | 1595
+-----+-----+
-| 782 | 5856 | 6638
+-----+-----+
E 908 7325 8233
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.64 (0.53 <OR< 0.79)
Cornfield 95% confidence limits for OR
Relative risk = 0.67 (0.56 <RR< 0.80)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 19.74 0.0000089 ---
Mantel-Haenszel: 19.74 0.0000089 ---
Yates corrected: 19.35 0.0000109 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 1827 | 1953
+-----+-----+
-| 782 | 7804 | 8586
+-----+-----+
E 908 9631 10539
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.69 (0.56 <OR< 0.84)
Cornfield 95% confidence limits for OR
Relative risk = 0.71 (0.59 <RR< 0.85)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 14.26 0.0001594 ---
Mantel-Haenszel: 14.26 0.0001595 ---
Yates corrected: 13.92 0.0001905 ---

```

17) PROG 17 – RESPIRATORY INFECTION AND INFLAMMATION

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  88 | 2421 | 2509   Odds ratio = 0.69 (0.55 <OR< 0.87)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 777 | 14851 | 15628 Relative risk = 0.71 (0.57 <RR< 0.88)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 865 17272 18137   Ignore relative risk if case control study.
x
x                   Chi-Squares  P-values
p                   -----  -----
o                   Uncorrected : 10.21 0.0013978 ---
s                   Mantel-Haenszel: 10.21 0.0013982 ---
u                   Yates corrected: 9.89 0.0016628 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  88 | 1469 | 1557   Odds ratio = 0.74 (0.59 <OR< 0.93)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 777 | 9607 | 10384 Relative risk = 0.76 (0.61 <RR< 0.94)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 865 11076 11941   Ignore relative risk if case control study.
x
x                   Chi-Squares  P-values
p                   -----  -----
o                   Uncorrected : 6.75 0.0093536 ---
s                   Mantel-Haenszel: 6.75 0.0093566 ---
u                   Yates corrected: 6.48 0.0108831 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  88 | 1827 | 1915   Odds ratio = 0.67 (0.53 <OR< 0.85)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 777 | 10855 | 11632 Relative risk = 0.69 (0.55 <RR< 0.85)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 865 12682 13547   Ignore relative risk if case control study.
x
x                   Chi-Squares  P-values
p                   -----  -----
o                   Uncorrected : 11.95 0.0005455 ---
s                   Mantel-Haenszel: 11.95 0.0005458 ---
u                   Yates corrected: 11.61 0.0006570 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  88 | 2421 | 2509   Odds ratio = 0.82 (0.65 <OR< 1.04)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 559 | 12594 | 13153 Relative risk = 0.83 (0.66 <RR< 1.03)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 647 15015 15662   Ignore relative risk if case control study.
x
x                   Chi-Squares  P-values
p                   -----  -----
o                   Uncorrected : 2.93 0.0867317
s                   Mantel-Haenszel: 2.93 0.0867418
u                   Yates corrected: 2.75 0.0972850

```

```

+ Disease -
+-----+-----+
+| 88 | 1469 | 1557
+-----+-----+
-| 559 | 7041 | 7600
+-----+-----+
E 647 8510 9157
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.75 (0.59 <OR< 0.96)
Cornfield 95% confidence limits for OR
Relative risk = 0.77 (0.62 <RR< 0.96)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.71 0.0168682 ---
Mantel-Haenszel: 5.71 0.0168742 ---
Yates corrected: 5.45 0.0195283 ---

```

```

+ Disease -
+-----+-----+
+| 88 | 1827 | 1915
+-----+-----+
-| 559 | 8617 | 9176
+-----+-----+
E 647 10444 11091
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.74 (0.59 <OR< 0.94)
Cornfield 95% confidence limits for OR
Relative risk = 0.75 (0.61 <RR< 0.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.46 0.0110287 ---
Mantel-Haenszel: 6.46 0.0110323 ---
Yates corrected: 6.19 0.0128394 ---

```

```

+ Disease -
+-----+-----+
+| 88 | 2421 | 2509
+-----+-----+
-| 1936 | 30793 | 32729
+-----+-----+
E 2024 33214 35238
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.58 (0.46 <OR< 0.72)
Cornfield 95% confidence limits for OR
Relative risk = 0.59 (0.48 <RR< 0.73)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 24.96 0.0000006 ---
Mantel-Haenszel: 24.96 0.0000006 ---
Yates corrected: 24.51 0.0000007 ---

```

```

+ Disease -
+-----+-----+
+| 88 | 1469 | 1557
+-----+-----+
-| 1936 | 19726 | 21662
+-----+-----+
E 2024 21195 23219
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.61 (0.49 <OR< 0.76)
Cornfield 95% confidence limits for OR
Relative risk = 0.63 (0.51 <RR< 0.78)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 19.70 0.0000090 ---
Mantel-Haenszel: 19.70 0.0000090 ---
Yates corrected: 19.29 0.0000112 ---

```

```

+ Disease -
+-----+-----+
+| 88 | 1827 | 1915
+-----+-----+
-| 1936 | 23860 | 25796
+-----+-----+
E 2024 25687 27711
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.59 (0.47 <OR< 0.74)
Cornfield 95% confidence limits for OR
Relative risk = 0.61 (0.50 <RR< 0.75)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 22.29 0.0000023 ---
Mantel-Haenszel: 22.29 0.0000023 ---
Yates corrected: 21.86 0.0000029 ---

```

```

+ Disease -
+-----+-----+
+| 88 | 2421 | 2509
+-----+-----+
-| 414 | 5841 | 6255
+-----+-----+
E 502 8262 8764
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.51 (0.40 <OR< 0.65)
Cornfield 95% confidence limits for OR
Relative risk = 0.53 (0.42 <RR< 0.66)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 32.10 0.0000000 ---
Mantel-Haenszel: 32.10 0.0000000 ---
Yates corrected: 31.53 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 88 | 1469 | 1557
+-----+-----+
-| 414 | 3132 | 3546
+-----+-----+
E 502 4601 5103
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.45 (0.35 <OR< 0.58)
Cornfield 95% confidence limits for OR
Relative risk = 0.48 (0.39 <RR< 0.60)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 44.25 0.0000000 ---
Mantel-Haenszel: 44.25 0.0000000 ---
Yates corrected: 43.58 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 88 | 1827 | 1915
+-----+-----+
-| 414 | 3555 | 3969
+-----+-----+
E 502 5382 5884
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.41 (0.32 <OR< 0.53)
Cornfield 95% confidence limits for OR
Relative risk = 0.44 (0.35 <RR< 0.55)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 56.37 0.0000000 ---
Mantel-Haenszel: 56.36 0.0000000 ---
Yates corrected: 55.62 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 88 | 2421 | 2509
+-----+-----+
-| 591 | 9548 | 10139
+-----+-----+
E 679 11969 12648
x
P
o
s
u

```

Analysis of Single Table

Odds ratio = 0.59 (0.46 <OR< 0.74)
Cornfield 95% confidence limits for OR
Relative risk = 0.60 (0.48 <RR< 0.75)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 21.34 0.0000038 ---
Mantel-Haenszel: 21.34 0.0000039 ---
Yates corrected: 20.88 0.0000049 ---

```

+ Disease -
+-----+-----+
+| 88 | 1469 | 1557
+-----+-----+
-| 591 | 5856 | 6447
+-----+-----+
E 679 7325 8004
x
P
o
s
u

```

Analysis of Single Table

Odds ratio = 0.59 (0.47 <OR< 0.75)
Cornfield 95% confidence limits for OR
Relative risk = 0.62 (0.50 <RR< 0.77)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 19.96 0.0000079 ---
Mantel-Haenszel: 19.96 0.0000079 ---
Yates corrected: 19.51 0.0000100 ---

```

+ Disease -
+-----+-----+
+| 88 | 1827 | 1915
+-----+-----+
-| 591 | 7804 | 8395
+-----+-----+
E 679 9631 10310
x
P
o
s
u

```

Analysis of Single Table

Odds ratio = 0.64 (0.50 <OR< 0.80)
Cornfield 95% confidence limits for OR
Relative risk = 0.65 (0.52 <RR< 0.81)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 15.15 0.0000995 ---
Mantel-Haenszel: 15.15 0.0000995 ---
Yates corrected: 14.75 0.0001226 ---

18) PROG 18 – LYMPHOMAS

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  53 | 2421 | 2474   Odds ratio = 0.79 (0.59 <OR< 1.07)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 410 | 14851 | 15261 Relative risk = 0.80 (0.60 <RR< 1.06)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 463  17272  17735   Ignore relative risk if case control study.
x
p
o
s
u

```

	Chi-Squares	P-values
	-----	-----
Uncorrected :	2.48	0.1152493
Mantel-Haenszel:	2.48	0.1152596
Yates corrected:	2.27	0.1317929

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  53 | 1469 | 1522   Odds ratio = 0.85 (0.62 <OR< 1.14)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 410 | 9607 | 10017 Relative risk = 0.85 (0.64 <RR< 1.13)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 463  11076  11539   Ignore relative risk if case control study.
x
p
o
s
u

```

	Chi-Squares	P-values
	-----	-----
Uncorrected :	1.28	0.2579437
Mantel-Haenszel:	1.28	0.2579643
Yates corrected:	1.13	0.2886111

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  53 | 1827 | 1880   Odds ratio = 0.77 (0.57 <OR< 1.04)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 410 | 10855 | 11265 Relative risk = 0.77 (0.58 <RR< 1.03)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 463  12682  13145   Ignore relative risk if case control study.
x
p
o
s
u

```

	Chi-Squares	P-values
	-----	-----
Uncorrected :	3.19	0.0740279
Mantel-Haenszel:	3.19	0.0740389
Yates corrected:	2.95	0.0856386

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  53 | 2421 | 2474   Odds ratio = 1.02 (0.75 <OR< 1.39)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 269 | 12594 | 12863 Relative risk = 1.02 (0.77 <RR< 1.37)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 322  15015  15337   Ignore relative risk if case control study.
x
p
o
s
u

```

	Chi-Squares	P-values
	-----	-----
Uncorrected :	0.03	0.8712493
Mantel-Haenszel:	0.03	0.8712535
Yates corrected:	0.01	0.9318569

```

+ Disease -
+-----+-----+
+| 53 | 1469 | 1522
+-----+-----+
-| 269 | 7041 | 7310
+-----+-----+
E 322 8510 8832
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 0.94 (0.69 <OR< 1.29)
Cornfield 95% confidence limits for OR
Relative risk = 0.95 (0.71 <RR< 1.26)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.14 0.7082217
Mantel-Haenszel: 0.14 0.7082375
Yates corrected: 0.09 0.7648766

```

+ Disease -
+-----+-----+
+| 53 | 1827 | 1880
+-----+-----+
-| 269 | 8617 | 8886
+-----+-----+
E 322 10444 10766
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 0.93 (0.68 <OR< 1.26)
Cornfield 95% confidence limits for OR
Relative risk = 0.93 (0.70 <RR< 1.24)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.23 0.6303642
Mantel-Haenszel: 0.23 0.6303801
Yates corrected: 0.17 0.6842307

```

+ Disease -
+-----+-----+
+| 53 | 2421 | 2474
+-----+-----+
-| 886 | 30793 | 31679
+-----+-----+
E 939 33214 34153
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 0.76 (0.57 <OR< 1.02)
Cornfield 95% confidence limits for OR
Relative risk = 0.77 (0.58 <RR< 1.01)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 3.68 0.0551756
Mantel-Haenszel: 3.68 0.0551791
Yates corrected: 3.44 0.0637879

```

+ Disease -
+-----+-----+
+| 53 | 1469 | 1522
+-----+-----+
-| 886 | 19726 | 20612
+-----+-----+
E 939 21195 22134
x
P
o
s
u
r

```

Analysis of Single Table
Odds ratio = 0.80 (0.60 <OR< 1.07)
Cornfield 95% confidence limits for OR
Relative risk = 0.81 (0.62 <RR< 1.06)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 2.32 0.1273658
Mantel-Haenszel: 2.32 0.1273744
Yates corrected: 2.13 0.1446536

```

+ Disease -
+-----+-----+
+| 53 | 1827 | 1880
+-----+-----+
-| 886 | 23860 | 24746
+-----+-----+
E 939 25687 26626
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.78 (0.58 <OR< 1.04)
Cornfield 95% confidence limits for OR
Relative risk = 0.79 (0.60 <RR< 1.03)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.98 0.0845129
Mantel-Haenszel: 2.98 0.0845187
Yates corrected: 2.76 0.0968679

```

```

+ Disease -
+-----+-----+
+| 53 | 2421 | 2474
+-----+-----+
-| 151 | 5841 | 5992
+-----+-----+
E 204 8262 8466
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.85 (0.61 <OR< 1.17)
Cornfield 95% confidence limits for OR
Relative risk = 0.85 (0.62 <RR< 1.16)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.06 0.3026415
Mantel-Haenszel: 1.06 0.3026701
Yates corrected: 0.91 0.3406579

```

```

+ Disease -
+-----+-----+
+| 53 | 1469 | 1522
+-----+-----+
-| 151 | 3132 | 3283
+-----+-----+
E 204 4601 4805
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.75 (0.54 <OR< 1.04)
Cornfield 95% confidence limits for OR
Relative risk = 0.76 (0.56 <RR< 1.03)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.19 0.0739698
Mantel-Haenszel: 3.19 0.0739999
Yates corrected: 2.92 0.0872844

```

```

+ Disease -
+-----+-----+
+| 53 | 1827 | 1880
+-----+-----+
-| 151 | 3555 | 3706
+-----+-----+
E 204 5382 5586
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.68 (0.49 <OR< 0.95)
Cornfield 95% confidence limits for OR
Relative risk = 0.69 (0.51 <RR< 0.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.59 0.0181044 ---
Mantel-Haenszel: 5.59 0.0181147 ---
Yates corrected: 5.23 0.0221374 ---

```

```

+ Disease -
+-----+-----+
+| 53 | 2421 | 2474
+-----+-----+
-| 194 | 9548 | 9742
+-----+-----+
E 247 11969 12216
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.08 (0.78 <OR< 1.48)
Cornfield 95% confidence limits for OR
Relative risk = 1.08 (0.80 <RR< 1.45)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.23 0.6339185
Mantel-Haenszel: 0.23 0.6339324
Yates corrected: 0.16 0.6919263

```

+ Disease -
+-----+-----+
+| 53 | 1469 | 1522
+-----+-----+
-| 194 | 5856 | 6050
+-----+-----+
E 247 7325 7572
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.09 (0.79 <OR< 1.50)
Cornfield 95% confidence limits for OR
Relative risk = 1.09 (0.81 <RR< 1.46)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.29 0.5884247
Mantel-Haenszel: 0.29 0.5884493
Yates corrected: 0.21 0.6452246

```

+ Disease -
+-----+-----+
+| 53 | 1827 | 1880
+-----+-----+
-| 194 | 7804 | 7998
+-----+-----+
E 247 9631 9878
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 1.17 (0.85 <OR< 1.60)
Cornfield 95% confidence limits for OR
Relative risk = 1.16 (0.86 <RR< 1.57)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.97 0.3254313
Mantel-Haenszel: 0.97 0.3254558
Yates corrected: 0.81 0.3674388

Aggregate OR's for Pattern Analysis 2

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 602 | 5717 | 6319   Odds ratio = 1.84 (1.69 <OR< 2.01)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 9945 |173680 |183625 Relative risk = 1.76 (1.63 <RR< 1.90)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 10547 179397 189944 Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares P-values
-----
Uncorrected : 196.85 0.0000000 ---
Mantel-Haenszel: 196.85 0.0000000 ---
Yates corrected: 196.07 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 24 | 5717 | 5741   Odds ratio = 2.22 (1.43 <OR< 3.41)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 329 |173680 |174009 Relative risk = 2.21 (1.46 <RR< 3.34)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 353 179397 179750 Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares P-values
-----
Uncorrected : 14.87 0.0001154 ---
Mantel-Haenszel: 14.87 0.0001154 ---
Yates corrected: 13.72 0.0002120 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 61 | 5717 | 5778   Odds ratio = 1.62 (1.24 <OR< 2.11)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 1146 |173680 |174826 Relative risk = 1.61 (1.25 <RR< 2.08)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 1207 179397 180604 Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares P-values
-----
Uncorrected : 13.50 0.0002392 ---
Mantel-Haenszel: 13.50 0.0002392 ---
Yates corrected: 12.90 0.0003287 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 1077 | 5717 | 6794   Odds ratio = 1.16 (1.09 <OR< 1.24)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 28121 |173680 |201801 Relative risk = 1.14 (1.08 <RR< 1.20)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 29198 179397 208595 Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares P-values
-----
Uncorrected : 20.07 0.0000075 ---
Mantel-Haenszel: 20.07 0.0000075 ---
Yates corrected: 19.91 0.0000081 ---

```

```

+ Disease -
+-----+-----+
+| 37 | 5717 | 5754
+-----+-----+
-| 810 |173680 |174490
+-----+-----+
E 847 179397 180244
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.39 (0.98 <OR< 1.95)
Cornfield 95% confidence limits for OR
Relative risk = 1.39 (1.00 <RR< 1.92)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.81 0.0509970
Mantel-Haenszel: 3.81 0.0509976
Yates corrected: 3.44 0.0638040

```

```

+ Disease -
+-----+-----+
+| 34 | 5717 | 5751
+-----+-----+
-| 856 |173680 |174536
+-----+-----+
E 890 179397 180287
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.21 (0.84 <OR< 1.72)
Cornfield 95% confidence limits for OR
Relative risk = 1.21 (0.86 <RR< 1.70)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.15 0.2834098
Mantel-Haenszel: 1.15 0.2834111
Yates corrected: 0.95 0.3285287

```

```

+ Disease -
+-----+-----+
+| 98 | 5717 | 5815
+-----+-----+
-| 2958 |173680 |176638
+-----+-----+
E 3056 179397 182453
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.01 (0.82 <OR< 1.24)
Cornfield 95% confidence limits for OR
Relative risk = 1.01 (0.82 <RR< 1.23)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.00 0.9501859
Mantel-Haenszel: 0.00 0.9501860
Yates corrected: 0.00 0.9915856

```

```

+ Disease -
+-----+-----+
+| 114 | 5717 | 5831
+-----+-----+
-| 3981 |173680 |177661
+-----+-----+
E 4095 179397 183492
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.87 (0.72 <OR< 1.05)
Cornfield 95% confidence limits for OR
Relative risk = 0.87 (0.73 <RR< 1.05)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.11 0.1461201
Mantel-Haenszel: 2.11 0.1461212
Yates corrected: 1.98 0.1590353

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 0.99 (0.77 <OR< 1.27)
+ 68 5717 5785	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 0.99 (0.78 <RR< 1.26)
- 2091 173680 175771	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 2159 179397 181556	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 0.01 0.9221106
s	Mantel-Haenszel: 0.01 0.9221108
u	Yates corrected: 0.00 0.9711703

APPENDIX H

STATISTICAL SUPPORT FOR PATTERN ANALYSIS 3: ICD-9-BASED RESPIRATORY DISEASES, MORBIDITY ODDS RATIO METHOD: LOMPOC VS. COMPARISON COUNTIES, 1991-1994, ALL AGES

Panel 1 – Definitions and tabulations

DISEASE ICD-9 CODES	Lompoc	SB-Lompoc	SLO Co.	Ventura Co	Mendocino	Hum&Del N
I. Bronchitis →	287	861	747	2,554	383	626
Bronchitis acute 466.0	147	225	349	798	127	225
bronchiolitis acute 466.1	75	158	88	648	61	120
NOS 490	1	52	8	44	5	19
chronic 491	64	426	302	1,064	190	262
II. Sinusitis →	12	21	18	68	5	14
sinusitis acute 461	12	21	18	68	5	14
sinusitis chronic 472	0	0	0	0	0	0
III. Pneumonia & influenza →	522	3,122	2,654	6,612	1440	2,261
Pneumonia						
viral 480	32	86	209	410	31	63
pneumococcal 481	38	233	184	294	114	206
other bacterial 482	69	547	574	1,497	468	702
due to specific organism 483	4	18	27	101	14	26
in infectious disease 484	0	0	0	0	0	0
broncho 485	30	147	93	180	34	43
organ unspecified 486	338	2,056	1,522	4,060	763	1,199
Influenza						
487	11	35	45	70	16	22
IV. COPD →	106	856	629	1,560	348	680
bronchitis NOS \$ 490	1	52	8	44	5	19
bronchitis chronic \$ 491	64	426	302	1,064	190	262
emphysema 492	2	85	52	106	25	70
chronic airway obstruction 496	39	293	267	346	128	329
V. Asthma →	299	828	747	3,095	413	667
493	299	828	747	3,095	413	667
VI. Asthma & related cond. →	405	1,684	1,376	4,655	761	1,347
bronchitis NOS \$\$ 490	1	52	8	44	5	19
bronchitis chronic \$\$ 491	64	426	302	1,064	190	262
emphysema \$ 492	2	85	52	106	25	70
asthma \$ 493	299	828	747	3,095	413	667
chronic airway obstruction \$ 496	39	293	267	346	128	329
VII Extrinsic asthma →	0	5	0	1	0	1
495	0	5	0	1	0	1
VIII Interstitial lung disease →	44	433	194	804	124	153
coal workers pneumoconiosis 500	0	0	0	1	0	0
asbestosis 501	0	0	0	0	0	1
pneumocon due to silica 502	0	1	0	0	0	0
pneumocon organic dust 503	0	0	0	0	0	0
Byssinosis 504	0	0	0	0	0	0
pneumocon unspec 505	0	0	0	0	0	0
pn due to chemical fumes 506	0	7	4	9	1	4
inhal of food or vomitus 507	31	347	157	681	101	112
unspec agent 508	1	7	3	9	4	4
post inflammatory fibrosis 515	7	31	18	54	9	12
alveolar pneum 516	5	40	12	50	9	20

IX. Other respiratory diseases →	59	221	146	489	60	138
Emphysema 510	3	14	14	34	10	13
Pleurisy 511	2	23	18	58	13	10
Pneumo thorax 512	0	1	3	4	1	1
Abscess of lung 513	4	7	12	21	3	18
Pulmonary congestion 514	0	0	0	0	0	0
Post inflm fibrosis \$ 515	7	31	18	54	9	12
Alveolar pneumpathy \$ 516	5	40	12	50	9	20
Lung involvement in ... 517	0	0	0	0	0	0
Other lung disease 518	26	70	51	205	7	33
Other respiratory disease 519	12	35	18	63	8	31
X. Pulmonary edema →	0	0	0	0	0	0
Pul edema fumes \$ 506.1						
Pul congestion \$ 514						
Pul edema NOS \$\$ 518.4						
XI. Respiratory failure&insuffic. →	13	32	23	65	2	20
Resp failure \$\$ 518.81	0	0	0	0	0	0
Resp insufficiency \$\$ 518.82	13	32	23	65	2	20
XII. Other diseases of the lung →	2	20	13	87	2	4
NOS \$\$\$ 518.89	2	20	13	87	2	4

\$ = In other series. Number of \$ = number of times of repetition

Data abstracted from DRG runs:

- Program 1 -- Bronchitis and asthma
- Program 2 -- Interstitial lung disease
- Program 3 -- Otitis media and upper respiratory disease
- Program 7 -- Pleurisy and pneumonia
- Program 16 -- COPD
- Program 17 -- Respiratory infection and inflammation

Panel 2 – Morbidity Odds Ratio (MOR) control series

<u>DISEASE ICD-9 CODES</u>	<u>Lompoc</u>	<u>SB-Lompoc</u>	<u>SLO Co.</u>	<u>Ventura Co</u>	<u>Mendocino</u>	<u>Hum&Del N</u>
I. MOR control series						
Circulatory	2,421	14,851	12,594	30,793	5,841	9,548
Digestive	1,469	9,607	7,041	19,726	3,132	5,856
Trauma	1,827	10,855	8,617	23,860	3,555	7,804

RESPIRATORY ICD-9 MORBIDITY ODDS RATIO ANALYSIS

Comparisons: Circulatory, Digestive, and Trauma.

Controls are: Santa Barbara Co. minus Lompoc, SLO Co., Ventura Co., Mendocino Co., and Humboldt & Del Norte Counties.

1) Bronchitis

```
+ Disease -           Analysis of Single Table
+-----+-----+           Odds ratio = 2.04 (1.77 <OR< 2.36)
+| 287 | 2421 | 2708       Cornfield 95% confidence limits for OR
+-----+-----+           Relative risk = 1.93 (1.70 <RR< 2.20)
-| 861 | 14851 | 15712     Taylor Series 95% confidence limits for RR
+-----+-----+           Ignore relative risk if case control study.
E 1148  17272  18420
x
p                               Chi-Squares  P-values
o                               -----  -----
s                               Uncorrected  : 103.55  0.0000000 ---
u                               Mantel-Haenszel: 103.54  0.0000000 ---
                               Yates corrected: 102.67  0.0000000 ---
```

```
+ Disease -           Analysis of Single Table
+-----+-----+           Odds ratio = 2.18 (1.88 <OR< 2.53)
+| 287 | 1469 | 1756       Cornfield 95% confidence limits for OR
+-----+-----+           Relative risk = 1.99 (1.76 <RR< 2.25)
-| 861 | 9607 | 10468     Taylor Series 95% confidence limits for RR
+-----+-----+           Ignore relative risk if case control study.
E 1148  11076  12224
x
p                               Chi-Squares  P-values
o                               -----  -----
s                               Uncorrected  : 116.49  0.0000000 ---
u                               Mantel-Haenszel: 116.48  0.0000000 ---
                               Yates corrected: 115.53  0.0000000 ---
```

```
+ Disease -           Analysis of Single Table
+-----+-----+           Odds ratio = 1.98 (1.71 <OR< 2.29)
+| 287 | 1827 | 2114       Cornfield 95% confidence limits for OR
+-----+-----+           Relative risk = 1.85 (1.63 <RR< 2.09)
-| 861 | 10855 | 11716     Taylor Series 95% confidence limits for RR
+-----+-----+           Ignore relative risk if case control study.
E 1148  12682  13830
x
p                               Chi-Squares  P-values
o                               -----  -----
s                               Uncorrected  : 91.24  0.0000000 ---
u                               Mantel-Haenszel: 91.23  0.0000000 ---
                               Yates corrected: 90.42  0.0000000 ---
```

```

+ Disease -
+-----+-----+
+| 287 | 2421 | 2708
+-----+-----+
-| 747 | 12594 | 13341
+-----+-----+
E 1034 15015 16049
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.00 (1.73 <OR< 2.31)
Cornfield 95% confidence limits for OR
Relative risk = 1.89 (1.66 <RR< 2.15)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 93.32 0.0000000 ---
Mantel-Haenszel: 93.32 0.0000000 ---
Yates corrected: 92.50 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 287 | 1469 | 1756
+-----+-----+
-| 747 | 7041 | 7788
+-----+-----+
E 1034 8510 9544
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.84 (1.58 <OR< 2.14)
Cornfield 95% confidence limits for OR
Relative risk = 1.70 (1.50 <RR< 1.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 67.63 0.0000000 ---
Mantel-Haenszel: 67.62 0.0000000 ---
Yates corrected: 66.93 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 287 | 1827 | 2114
+-----+-----+
-| 747 | 8617 | 9364
+-----+-----+
E 1034 10444 11478
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.81 (1.56 <OR< 2.10)
Cornfield 95% confidence limits for OR
Relative risk = 1.70 (1.50 <RR< 1.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 65.95 0.0000000 ---
Mantel-Haenszel: 65.95 0.0000000 ---
Yates corrected: 65.27 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 287 | 2421 | 2708
+-----+-----+
-| 2554 | 30793 | 33347
+-----+-----+
E 2841 33214 36055
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.43 (1.25 <OR< 1.63)
Cornfield 95% confidence limits for OR
Relative risk = 1.38 (1.23 <RR< 1.55)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 29.81 0.0000000 ---
Mantel-Haenszel: 29.81 0.0000000 ---
Yates corrected: 29.41 0.0000001 ---

```

```

+ Disease -
+-----+-----+
+| 287 | 1469 | 1756
+-----+-----+
-| 2554 | 19726 | 22280
+-----+-----+
E 2841 21195 24036
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.51 (1.32 <OR< 1.73)
Cornfield 95% confidence limits for OR
Relative risk = 1.43 (1.27 <RR< 1.59)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 37.20 0.0000000 ---
Mantel-Haenszel: 37.20 0.0000000 ---
Yates corrected: 36.74 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 287 | 1827 | 2114
+-----+-----+
-| 2554 | 23860 | 26414
+-----+-----+
E 2841 25687 28528
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.47 (1.28 <OR< 1.68)
Cornfield 95% confidence limits for OR
Relative risk = 1.40 (1.25 <RR< 1.57)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 33.32 0.0000000 ---
Mantel-Haenszel: 33.32 0.0000000 ---
Yates corrected: 32.89 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 287 | 2421 | 2708
+-----+-----+
-| 383 | 5841 | 6224
+-----+-----+
E 670 8262 8932
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.81 (1.54 <OR< 2.13)
Cornfield 95% confidence limits for OR
Relative risk = 1.72 (1.49 <RR< 1.99)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 53.73 0.0000000 ---
Mantel-Haenszel: 53.72 0.0000000 ---
Yates corrected: 53.09 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 287 | 1469 | 1756
+-----+-----+
-| 383 | 3132 | 3515
+-----+-----+
E 670 4601 5271
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 1.60 (1.35 <OR< 1.89)
Cornfield 95% confidence limits for OR
Relative risk = 1.50 (1.30 <RR< 1.73)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 31.32 0.0000000 ---
Mantel-Haenszel: 31.32 0.0000000 ---
Yates corrected: 30.83 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 287 | 1827 | 2114
+-----+-----+
-| 383 | 3555 | 3938
+-----+-----+
E 670 5382 6052
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 1.46 (1.23 <OR< 1.72)
Cornfield 95% confidence limits for OR
Relative risk = 1.40 (1.21 <RR< 1.61)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 20.71 0.0000053 ---
Mantel-Haenszel: 20.71 0.0000053 ---
Yates corrected: 20.33 0.0000065 ---

```

+ Disease -
+-----+-----+
+| 287 | 2421 | 2708
+-----+-----+
-| 626 | 9548 | 10174
+-----+-----+
E 913 11969 12882
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 1.81 (1.56 <OR< 2.10)
Cornfield 95% confidence limits for OR
Relative risk = 1.72 (1.51 <RR< 1.97)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 64.18 0.0000000 ---
Mantel-Haenszel: 64.17 0.0000000 ---
Yates corrected: 63.51 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 287 | 1469 | 1756
+-----+-----+
-| 626 | 5856 | 6482
+-----+-----+
E 913 7325 8238
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 1.83 (1.57 <OR< 2.13)
Cornfield 95% confidence limits for OR
Relative risk = 1.69 (1.49 <RR< 1.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 62.69 0.0000000 ---
Mantel-Haenszel: 62.68 0.0000000 ---
Yates corrected: 62.01 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 287 | 1827 | 2114
+-----+-----+
-| 626 | 7804 | 8430
+-----+-----+
E 913 9631 10544
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.96 (1.68 <OR< 2.28)
Cornfield 95% confidence limits for OR
Relative risk = 1.83 (1.60 <RR< 2.08)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 80.83 0.0000000 ---
Mantel-Haenszel: 80.83 0.0000000 ---
Yates corrected: 80.06 0.0000000 ---

```

2) Sinusitis

```

+ Disease -
+-----+-----+
+| 12 | 2421 | 2433
+-----+-----+
-| 21 | 14851 | 14872
+-----+-----+
E 33 17272 17305
x
p
o
s
u
r
e
Analysis of Single Table
Odds ratio = 3.51 (1.62 <OR< 7.47)
Cornfield 95% confidence limits for OR
Relative risk = 3.49 (1.72 <RR< 7.09)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 13.61 0.0002247 ---
Mantel-Haenszel: 13.61 0.0002248 ---
Yates corrected: 11.83 0.0005841 ---
Fisher exact: 1-tailed P-value: 0.0011648 --
2-tailed P-value: 0.0011648 --

```

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 12 | 1469 | 1481
+-----+-----+
-| 21 | 9607 | 9628
+-----+-----+
E 33 11076 11109
x
p
o
s
u
r
e
Analysis of Single Table
Odds ratio = 3.74 (1.73 <OR< 7.97)
Cornfield 95% confidence limits for OR
Relative risk = 3.71 (1.83 <RR< 7.53)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 15.20 0.0000969 ---
Mantel-Haenszel: 15.19 0.0000970 ---
Yates corrected: 13.26 0.0002708 ---
Fisher exact: 1-tailed P-value: 0.0007142 --
2-tailed P-value: 0.0007142 --

```

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 12 | 1827 | 1839
+-----+-----+
-| 21 | 10855 | 10876
+-----+-----+
E 33 12682 12715
x
P
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 3.40 (1.57 <OR< 7.23)
Cornfield 95% confidence limits for OR
Relative risk = 3.38 (1.67 <RR< 6.86)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 12.83 0.0003416 ---
Mantel-Haenszel: 12.83 0.0003418 ---
Yates corrected: 11.11 0.0008569 ---
Fisher exact: 1-tailed P-value: 0.0014932 --
2-tailed P-value: 0.0014932 --

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 12 | 2421 | 2433
+-----+-----+
-| 18 | 12594 | 12612
+-----+-----+
E 30 15015 15045
x
P
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 3.47 (1.57 <OR< 7.57)
Cornfield 95% confidence limits for OR
Relative risk = 3.46 (1.67 <RR< 7.17)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 12.59 0.0003877 ---
Mantel-Haenszel: 12.59 0.0003879 ---
Yates corrected: 10.89 0.0009664 ---
Fisher exact: 1-tailed P-value: 0.0015375 --
2-tailed P-value: 0.0015375 --

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 12 | 1469 | 1481
+-----+-----+
-| 18 | 7041 | 7059
+-----+-----+
E 30 8510 8540
x
P
o
s
u

```

Analysis of Single Table
Odds ratio = 3.20 (1.45 <OR< 6.99)
Cornfield 95% confidence limits for OR
Relative risk = 3.18 (1.53 <RR< 6.58)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 10.78 0.0010247 ---
Mantel-Haenszel: 10.78 0.0010254 ---
Yates corrected: 9.25 0.0023492 ---

```

+ Disease -
+-----+-----+
+| 12 | 1827 | 1839
+-----+-----+
-| 18 | 8617 | 8635
+-----+-----+
E 30 10444 10474
x
P
o
s
u
Analysis of Single Table
Odds ratio = 3.14 (1.42 <OR< 6.87)
Cornfield 95% confidence limits for OR
Relative risk = 3.13 (1.51 <RR< 6.49)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 10.47 0.0012143 ---
Mantel-Haenszel: 10.47 0.0012150 ---
Yates corrected: 8.97 0.0027426 ---

```

```

+ Disease -
+-----+-----+
+| 12 | 2421 | 2433
+-----+-----+
-| 68 | 30793 | 30861
+-----+-----+
E 80 33214 33294
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.24 (1.15 <OR< 4.28)
Cornfield 95% confidence limits for OR
Relative risk = 2.24 (1.21 <RR< 4.13)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.01 0.0081262 ---
Mantel-Haenszel: 7.01 0.0081272 ---
Yates corrected: 5.91 0.0150269 ---

```

```

+ Disease -
+-----+-----+
+| 12 | 1469 | 1481
+-----+-----+
-| 68 | 19726 | 19794
+-----+-----+
E 80 21195 21275
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.37 (1.22 <OR< 4.52)
Cornfield 95% confidence limits for OR
Relative risk = 2.36 (1.28 <RR< 4.35)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.01 0.0046461 ---
Mantel-Haenszel: 8.01 0.0046471 ---
Yates corrected: 6.81 0.0090403 ---

```

```

+ Disease -
+-----+-----+
+| 12 | 1827 | 1839
+-----+-----+
-| 68 | 23860 | 23928
+-----+-----+
E 80 25687 25767
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.30 (1.18 <OR< 4.39)
Cornfield 95% confidence limits for OR
Relative risk = 2.30 (1.25 <RR< 4.23)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.49 0.0062179 ---
Mantel-Haenszel: 7.49 0.0062189 ---
Yates corrected: 6.34 0.0117828 ---

```

```

+ Disease -
+-----+-----+
+| 12 | 2421 | 2433
+-----+-----+
-| 5 | 5841 | 5846
+-----+-----+
E 17 8262 8279
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 5.79 (1.90 <OR< 18.82*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 5.77 (2.03 <RR< 16.35)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 13.93 0.0001893 ---
Mantel-Haenszel: 13.93 0.0001894 ---
Yates corrected: 12.02 0.0005273 ---
Fisher exact: 1-tailed P-value: 0.0005252 --
2-tailed P-value: 0.0005252 --

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 12 | 1469 | 1481
+-----+-----+
-| 5 | 3132 | 3137
+-----+-----+
E 17 4601 4618
x
p
o
s
u
r

```

Analysis of Single Table
Odds ratio = 5.12 (1.67 <OR< 16.64*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 5.08 (1.79 <RR< 14.40)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 11.62 0.0006524 ---
Mantel-Haenszel: 11.62 0.0006532 ---
Yates corrected: 9.91 0.0016407 ---

```

+ Disease -
+-----+-----+
+| 12 | 1827 | 1839
+-----+-----+
-| 5 | 3555 | 3560
+-----+-----+
E 17 5382 5399
x
p
o
s
u
r

```

Analysis of Single Table
Odds ratio = 4.67 (1.53 <OR< 15.18*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 4.65 (1.64 <RR< 13.17)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 10.13 0.0014584 ---
Mantel-Haenszel: 10.13 0.0014599 ---
Yates corrected: 8.56 0.0034275 ---

```

+ Disease -
+-----+-----+
+| 12 | 2421 | 2433
+-----+-----+
-| 14 | 9548 | 9562
+-----+-----+
E 26 11969 11995
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 3.38 (1.47 <OR< 7.75)
Cornfield 95% confidence limits for OR
Relative risk = 3.37 (1.56 <RR< 7.27)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 10.79 0.0010231 ---
Mantel-Haenszel: 10.78 0.0010236 ---
Yates corrected: 9.24 0.0023660 ---

```

+ Disease -
+-----+-----+
+| 12 | 1469 | 1481
+-----+-----+
-| 14 | 5856 | 5870
+-----+-----+
E 26 7325 7351
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 3.42 (1.48 <OR< 7.85)
Cornfield 95% confidence limits for OR
Relative risk = 3.40 (1.57 <RR< 7.33)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 10.97 0.0009262 ---
Mantel-Haenszel: 10.97 0.0009269 ---
Yates corrected: 9.41 0.0021613 ---

```

+ Disease -
+-----+-----+
+| 12 | 1827 | 1839
+-----+-----+
-| 14 | 7804 | 7818
+-----+-----+
E 26 9631 9657
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 3.66 (1.59 <OR< 8.40)
Cornfield 95% confidence limits for OR
Relative risk = 3.64 (1.69 <RR< 7.87)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 12.43 0.0004227 ---
Mantel-Haenszel: 12.43 0.0004230 ---
Yates corrected: 10.73 0.0010552 ---
Fisher exact: 1-tailed P-value: 0.0014842 --
2-tailed P-value: 0.0014842 --

An expected cell value is less than 5.
Fisher exact results recommended.

3) Pneumonia and influenza

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 522 | 2421 | 2943   Odds ratio = 1.03 (0.92 <OR< 1.14)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 3122 | 14851 | 17973 Relative risk = 1.02 (0.94 <RR< 1.11)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 3644  17272  20916   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  0.24  0.6270264
Mantel-Haenszel:  0.24  0.6270346
Yates corrected:  0.21  0.6457293

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 522 | 1469 | 1991   Odds ratio = 1.09 (0.98 <OR< 1.22)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 3122 | 9607 | 12729 Relative risk = 1.07 (0.99 <RR< 1.16)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 3644  11076  14720   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  2.64  0.1039428
Mantel-Haenszel:  2.64  0.1039546
Yates corrected:  2.55  0.1100181

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 522 | 1827 | 2349   Odds ratio = 0.99 (0.89 <OR< 1.10)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 3122 | 10855 | 13977 Relative risk = 0.99 (0.92 <RR< 1.08)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 3644  12682  16326   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  0.02  0.9018812
Mantel-Haenszel:  0.02  0.9018842
Yates corrected:  0.01  0.9231167

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 522 | 2421 | 2943   Odds ratio = 1.02 (0.92 <OR< 1.14)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 2654 | 12594 | 15248 Relative risk = 1.02 (0.94 <RR< 1.11)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 3176  15015  18191   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  0.19  0.6645465
Mantel-Haenszel:  0.19  0.6645551
Yates corrected:  0.17  0.6839154

```

```

+ Disease -
+-----+-----+
+| 522 | 1469 | 1991
+-----+-----+
-| 2654 | 7041 | 9695
+-----+-----+
E 3176 8510 11686
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.94 (0.84 <OR< 1.05)
Cornfield 95% confidence limits for OR
Relative risk = 0.96 (0.88 <RR< 1.04)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.12 0.2905351
Mantel-Haenszel: 1.12 0.2905558
Yates corrected: 1.06 0.3033413

```

```

+ Disease -
+-----+-----+
+| 522 | 1827 | 2349
+-----+-----+
-| 2654 | 8617 | 11271
+-----+-----+
E 3176 10444 13620
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.93 (0.83 <OR< 1.03)
Cornfield 95% confidence limits for OR
Relative risk = 0.94 (0.87 <RR< 1.03)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.91 0.1671438
Mantel-Haenszel: 1.91 0.1671594
Yates corrected: 1.83 0.1755384

```

```

+ Disease -
+-----+-----+
+| 522 | 2421 | 2943
+-----+-----+
-| 6612 | 30793 | 37405
+-----+-----+
E 7134 33214 40348
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.00 (0.91 <OR< 1.11)
Cornfield 95% confidence limits for OR
Relative risk = 1.00 (0.93 <RR< 1.09)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.01 0.9342877
Mantel-Haenszel: 0.01 0.9342886
Yates corrected: 0.00 0.9542580

```

```

+ Disease -
+-----+-----+
+| 522 | 1469 | 1991
+-----+-----+
-| 6612 | 19726 | 26338
+-----+-----+
E 7134 21195 28329
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.06 (0.95 <OR< 1.18)
Cornfield 95% confidence limits for OR
Relative risk = 1.04 (0.97 <RR< 1.13)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.22 0.2696952
Mantel-Haenszel: 1.22 0.2697036
Yates corrected: 1.16 0.2814842

```

```

+ Disease -
+-----+-----+
+| 522 | 1827 | 2349
+-----+-----+
-| 6612 | 23860 | 30472
+-----+-----+
E 7134 25687 32821
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.03 (0.93 <OR< 1.14)
Cornfield 95% confidence limits for OR
Relative risk = 1.02 (0.95 <RR< 1.11)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.35 0.5532717
Mantel-Haenszel: 0.35 0.5532777
Yates corrected: 0.32 0.5707780

```

```

+ Disease -
+-----+-----+
+| 522 | 2421 | 2943
+-----+-----+
-| 1440 | 5841 | 7281
+-----+-----+
E 1962 8262 10224
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.87 (0.78 <OR< 0.98)
Cornfield 95% confidence limits for OR
Relative risk = 0.90 (0.82 <RR< 0.98)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.63 0.0176840 ---
Mantel-Haenszel: 5.63 0.0176896 ---
Yates corrected: 5.50 0.0190560 ---

```

```

+ Disease -
+-----+-----+
+| 522 | 1469 | 1991
+-----+-----+
-| 1440 | 3132 | 4572
+-----+-----+
E 1962 4601 6563
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.77 (0.69 <OR< 0.87)
Cornfield 95% confidence limits for OR
Relative risk = 0.83 (0.76 <RR< 0.91)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 18.44 0.0000176 ---
Mantel-Haenszel: 18.43 0.0000176 ---
Yates corrected: 18.19 0.0000200 ---

```

```

+ Disease -
+-----+-----+
+| 522 | 1827 | 2349
+-----+-----+
-| 1440 | 3555 | 4995
+-----+-----+
E 1962 5382 7344
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.71 (0.63 <OR< 0.79)
Cornfield 95% confidence limits for OR
Relative risk = 0.77 (0.71 <RR< 0.84)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 35.62 0.0000000 ---
Mantel-Haenszel: 35.61 0.0000000 ---
Yates corrected: 35.28 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 522 | 2421 | 2943
+-----+-----+
-| 2261 | 9548 | 11809
+-----+-----+
E 2783 11969 14752
x
p
o
s
u
F2 More Strata; <Enter> No More Strata; F10 Quit

```

Analysis of Single Table
Odds ratio = 0.91 (0.82 <OR< 1.01)
Cornfield 95% confidence limits for OR
Relative risk = 0.93 (0.85 <RR< 1.01)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 3.06 0.0803681
Mantel-Haenszel: 3.06 0.0803783
Yates corrected: 2.97 0.0850290

```

+ Disease -
+-----+-----+
+| 522 | 1469 | 1991
+-----+-----+
-| 2261 | 5856 | 8117
+-----+-----+
E 2783 7325 10108
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.92 (0.82 <OR< 1.03)
Cornfield 95% confidence limits for OR
Relative risk = 0.94 (0.87 <RR< 1.02)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 2.15 0.1427799
Mantel-Haenszel: 2.15 0.1427997
Yates corrected: 2.07 0.1505696

```

+ Disease -
+-----+-----+
+| 522 | 1827 | 2349
+-----+-----+
-| 2261 | 7804 | 10065
+-----+-----+
E 2783 9631 12414
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.99 (0.88 <OR< 1.10)
Cornfield 95% confidence limits for OR
Relative risk = 0.99 (0.91 <RR< 1.08)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.06 0.8002775
Mantel-Haenszel: 0.06 0.8002854
Yates corrected: 0.05 0.8215783

4) COPD

```

+ Disease -
+-----+-----+
+| 106 | 2421 | 2527
+-----+-----+
-| 856 | 14851 | 15707
+-----+-----+
E 962 17272 18234
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.76 (0.61 <OR< 0.94)
Cornfield 95% confidence limits for OR
Relative risk = 0.77 (0.63 <RR< 0.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.86 0.0088071 ---
Mantel-Haenszel: 6.86 0.0088090 ---
Yates corrected: 6.61 0.0101255 ---

```

```

+ Disease -
+-----+-----+
+| 106 | 1469 | 1575
+-----+-----+
-| 856 | 9607 | 10463
+-----+-----+
E 962 11076 12038
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.81 (0.65 <OR< 1.00)
Cornfield 95% confidence limits for OR
Relative risk = 0.82 (0.68 <RR< 1.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.92 0.0477117 ---
Mantel-Haenszel: 3.92 0.0477209 ---
Yates corrected: 3.73 0.0535956

```

```

+ Disease -
+-----+-----+
+| 106 | 1827 | 1933
+-----+-----+
-| 856 | 10855 | 11711
+-----+-----+
E 962 12682 13644
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.74 (0.59 <OR< 0.91)
Cornfield 95% confidence limits for OR
Relative risk = 0.75 (0.62 <RR< 0.91)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.44 0.0036743 ---
Mantel-Haenszel: 8.44 0.0036756 ---
Yates corrected: 8.16 0.0042781 ---

```

```

+ Disease -
+-----+-----+
+| 106 | 2421 | 2527
+-----+-----+
-| 629 | 12594 | 13223
+-----+-----+
E 735 15015 15750
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.88 (0.71 <OR< 1.09)
Cornfield 95% confidence limits for OR
Relative risk = 0.88 (0.72 <RR< 1.08)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.51 0.2195875
Mantel-Haenszel: 1.51 0.2196022
Yates corrected: 1.38 0.2395309

```

```

+ Disease -
+-----+-----+
+| 106 | 1469 | 1575
+-----+-----+
-| 629 | 7041 | 7670
+-----+-----+
E 735 8510 9245
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.81 (0.65 <OR< 1.00)
Cornfield 95% confidence limits for OR
Relative risk = 0.82 (0.67 <RR< 1.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 3.86 0.0494028 ---
Mantel-Haenszel: 3.86 0.0494151 ---
Yates corrected: 3.66 0.0556242

```

+ Disease -
+-----+-----+
+| 106 | 1827 | 1933
+-----+-----+
-| 629 | 8617 | 9246
+-----+-----+
E 735 10444 11179
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.79 (0.64 <OR< 0.99)
Cornfield 95% confidence limits for OR
Relative risk = 0.81 (0.66 <RR< 0.98)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 4.53 0.0333092 ---
Mantel-Haenszel: 4.53 0.0333171 ---
Yates corrected: 4.32 0.0377203 ---

```

+ Disease -
+-----+-----+
+| 106 | 2421 | 2527
+-----+-----+
-| 1560 | 30793 | 32353
+-----+-----+
E 1666 33214 34880
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.86 (0.70 <OR< 1.06)
Cornfield 95% confidence limits for OR
Relative risk = 0.87 (0.72 <RR< 1.05)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 2.03 0.1545554
Mantel-Haenszel: 2.03 0.1545613
Yates corrected: 1.89 0.1690700

```

+ Disease -
+-----+-----+
+| 106 | 1469 | 1575
+-----+-----+
-| 1560 | 19726 | 21286
+-----+-----+
E 1666 21195 22861
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 0.91 (0.74 <OR< 1.12)
Cornfield 95% confidence limits for OR
Relative risk = 0.92 (0.76 <RR< 1.11)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.78 0.3778314
Mantel-Haenszel: 0.78 0.3778419
Yates corrected: 0.69 0.4055963

```

+ Disease -
+-----+-----+
+| 106 | 1827 | 1933
+-----+-----+
-| 1560 | 23860 | 25420
+-----+-----+
E 1666 25687 27353
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.89 (0.72 <OR< 1.09)
Cornfield 95% confidence limits for OR
Relative risk = 0.89 (0.74 <RR< 1.08)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.34 0.2470306
Mantel-Haenszel: 1.34 0.2470392
Yates corrected: 1.23 0.2677472

```

```

+ Disease -
+-----+-----+
+| 106 | 2421 | 2527
+-----+-----+
-| 348 | 5841 | 6189
+-----+-----+
E 454 8262 8716
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.73 (0.58 <OR< 0.92)
Cornfield 95% confidence limits for OR
Relative risk = 0.75 (0.60 <RR< 0.92)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.41 0.0064770 ---
Mantel-Haenszel: 7.41 0.0064800 ---
Yates corrected: 7.13 0.0075968 ---

```

```

+ Disease -
+-----+-----+
+| 106 | 1469 | 1575
+-----+-----+
-| 348 | 3132 | 3480
+-----+-----+
E 454 4601 5055
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.65 (0.51 <OR< 0.82)
Cornfield 95% confidence limits for OR
Relative risk = 0.67 (0.55 <RR< 0.83)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 14.18 0.0001660 ---
Mantel-Haenszel: 14.18 0.0001662 ---
Yates corrected: 13.78 0.0002050 ---

```

```

+ Disease -
+-----+-----+
+| 106 | 1827 | 1933
+-----+-----+
-| 348 | 3555 | 3903
+-----+-----+
E 454 5382 5836
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.59 (0.47 <OR< 0.75)
Cornfield 95% confidence limits for OR
Relative risk = 0.62 (0.50 <RR< 0.76)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 21.23 0.0000041 ---
Mantel-Haenszel: 21.23 0.0000041 ---
Yates corrected: 20.76 0.0000052 ---

```

```

+ Disease -
+-----+-----+
+| 106 | 2421 | 2527
+-----+-----+
-| 680 | 9548 | 10228
+-----+-----+
E 786 11969 12755
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.61 (0.50 <OR< 0.76)
Cornfield 95% confidence limits for OR
Relative risk = 0.63 (0.52 <RR< 0.77)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 21.10 0.0000044 ---
Mantel-Haenszel: 21.10 0.0000044 ---
Yates corrected: 20.68 0.0000054 ---

```

```

+ Disease -
+-----+-----+
+| 106 | 1469 | 1575
+-----+-----+
-| 680 | 5856 | 6536
+-----+-----+
E 786 7325 8111
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.62 (0.50 <OR< 0.77)
Cornfield 95% confidence limits for OR
Relative risk = 0.65 (0.53 <RR< 0.79)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 19.57 0.0000097 ---
Mantel-Haenszel: 19.57 0.0000097 ---
Yates corrected: 19.16 0.0000120 ---

```

```

+ Disease -
+-----+-----+
+| 106 | 1827 | 1933
+-----+-----+
-| 680 | 7804 | 8484
+-----+-----+
E 786 9631 10417
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.67 (0.54 <OR< 0.83)
Cornfield 95% confidence limits for OR
Relative risk = 0.68 (0.56 <RR< 0.83)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 14.46 0.0001431 ---
Mantel-Haenszel: 14.46 0.0001432 ---
Yates corrected: 14.10 0.0001733 ---

```

5) Asthma

```

+ Disease -
+-----+-----+
+| 299 | 2421 | 2720
+-----+-----+
-| 828 | 14851 | 15679
+-----+-----+
E 1127 17272 18399
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.22 (1.92 <OR< 2.55)
Cornfield 95% confidence limits for OR
Relative risk = 2.08 (1.84 <RR< 2.36)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 131.51 0.0000000 ---
Mantel-Haenszel: 131.50 0.0000000 ---
Yates corrected: 130.51 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 1469 | 1768
+-----+-----+
-| 828 | 9607 | 10435
+-----+-----+
E 1127 11076 12203
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.36 (2.04 <OR< 2.73)
Cornfield 95% confidence limits for OR
Relative risk = 2.13 (1.89 <RR< 2.41)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 145.34 0.0000000 ---
Mantel-Haenszel: 145.33 0.0000000 ---
Yates corrected: 144.27 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 1827 | 2126
+-----+-----+
-| 828 | 10855 | 11683
+-----+-----+
E 1127 12682 13809
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.15 (1.86 <OR< 2.48)
Cornfield 95% confidence limits for OR
Relative risk = 1.98 (1.75 <RR< 2.25)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 116.81 0.0000000 ---
Mantel-Haenszel: 116.80 0.0000000 ---
Yates corrected: 115.88 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 2421 | 2720
+-----+-----+
-| 747 | 12594 | 13341
+-----+-----+
E 1046 15015 16061
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.08 (1.80 <OR< 2.40)
Cornfield 95% confidence limits for OR
Relative risk = 1.96 (1.73 <RR< 2.23)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 107.94 0.0000000 ---
Mantel-Haenszel: 107.94 0.0000000 ---
Yates corrected: 107.06 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 1469 | 1768
+-----+-----+
-| 747 | 7041 | 7788
+-----+-----+
E 1046 8510 9556
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.92 (1.65 <OR< 2.22)
Cornfield 95% confidence limits for OR
Relative risk = 1.76 (1.56 <RR< 2.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 79.21 0.0000000 ---
Mantel-Haenszel: 79.20 0.0000000 ---
Yates corrected: 78.46 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 1827 | 2126
+-----+-----+
-| 747 | 8617 | 9364
+-----+-----+
E 1046 10444 11490
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.89 (1.63 <OR< 2.18)
Cornfield 95% confidence limits for OR
Relative risk = 1.76 (1.55 <RR< 2.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 77.57 0.0000000 ---
Mantel-Haenszel: 77.56 0.0000000 ---
Yates corrected: 76.84 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 2421 | 2720
+-----+-----+
-| 3095 | 30793 | 33888
+-----+-----+
E 3394 33214 36608
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.23 (1.08 <OR< 1.40)
Cornfield 95% confidence limits for OR
Relative risk = 1.20 (1.08 <RR< 1.35)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 10.35 0.0012936 ---
Mantel-Haenszel: 10.35 0.0012938 ---
Yates corrected: 10.13 0.0014574 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 1469 | 1768
+-----+-----+
-| 3095 | 19726 | 22821
+-----+-----+
E 3394 21195 24589
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.30 (1.14 <OR< 1.48)
Cornfield 95% confidence limits for OR
Relative risk = 1.25 (1.12 <RR< 1.39)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 15.47 0.0000836 ---
Mantel-Haenszel: 15.47 0.0000836 ---
Yates corrected: 15.19 0.0000970 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 1827 | 2126
+-----+-----+
-| 3095 | 23860 | 26955
+-----+-----+
E 3394 25687 29081
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.26 (1.11 <OR< 1.44)
Cornfield 95% confidence limits for OR
Relative risk = 1.22 (1.10 <RR< 1.37)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 12.74 0.0003574 ---
Mantel-Haenszel: 12.74 0.0003575 ---
Yates corrected: 12.49 0.0004084 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 2421 | 2720
+-----+-----+
-| 413 | 5841 | 6254
+-----+-----+
E 712 8262 8974
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.75 (1.49 <OR< 2.05)
Cornfield 95% confidence limits for OR
Relative risk = 1.66 (1.44 <RR< 1.92)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 49.99 0.0000000 ---
Mantel-Haenszel: 49.98 0.0000000 ---
Yates corrected: 49.39 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 1469 | 1768
+-----+-----+
-| 413 | 3132 | 3545
+-----+-----+
E 712 4601 5313
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.54 (1.31 <OR< 1.82)
Cornfield 95% confidence limits for OR
Relative risk = 1.45 (1.27 <RR< 1.67)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 28.14 0.0000001 ---
Mantel-Haenszel: 28.14 0.0000001 ---
Yates corrected: 27.69 0.0000001 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 1827 | 2126
+-----+-----+
-| 413 | 3555 | 3968
+-----+-----+
E 712 5382 6094
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.41 (1.20 <OR< 1.66)
Cornfield 95% confidence limits for OR
Relative risk = 1.35 (1.18 <RR< 1.55)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 17.93 0.0000229 ---
Mantel-Haenszel: 17.93 0.0000230 ---
Yates corrected: 17.58 0.0000276 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 2421 | 2720
+-----+-----+
-| 667 | 9548 | 10215
+-----+-----+
E 966 11969 12935
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 1.77 (1.53 <OR< 2.05)
 Cornfield 95% confidence limits for OR
 Relative risk = 1.68 (1.48 <RR< 1.92)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 61.92 0.0000000 ---
 Mantel-Haenszel: 61.91 0.0000000 ---
 Yates corrected: 61.27 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 299 | 1469 | 1768
+-----+-----+
-| 667 | 5856 | 6523
+-----+-----+
E 966 7325 8291
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 1.79 (1.54 <OR< 2.08)
 Cornfield 95% confidence limits for OR
 Relative risk = 1.65 (1.46 <RR< 1.88)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 60.41 0.0000000 ---
 Mantel-Haenszel: 60.41 0.0000000 ---
 Yates corrected: 59.77 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 299 | 1827 | 2126
+-----+-----+
-| 667 | 7804 | 8471
+-----+-----+
E 966 9631 10597
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 1.91 (1.65 <OR< 2.22)
 Cornfield 95% confidence limits for OR
 Relative risk = 1.79 (1.57 <RR< 2.03)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 78.60 0.0000000 ---
 Mantel-Haenszel: 78.59 0.0000000 ---
 Yates corrected: 77.85 0.0000000 ---

6) Asthma and related respiratory diseases

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 405 | 2421 | 2826   Odds ratio = 1.48 (1.31 <OR< 1.66)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 1684 | 14851 | 16535  Relative risk = 1.41 (1.27 <RR< 1.56)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 2089  17272  19361   Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  : 43.12  0.0000000 ---
Mantel-Haenszel: 43.11  0.0000000 ---
Yates corrected: 42.69  0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 405 | 1469 | 1874   Odds ratio = 1.57 (1.39 <OR< 1.78)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 1684 | 9607 | 11291  Relative risk = 1.45 (1.32 <RR< 1.60)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 2089  11076  13165   Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  : 54.00  0.0000000 ---
Mantel-Haenszel: 53.99  0.0000000 ---
Yates corrected: 53.50  0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 405 | 1827 | 2232   Odds ratio = 1.43 (1.27 <OR< 1.61)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 1684 | 10855 | 12539  Relative risk = 1.35 (1.22 <RR< 1.49)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 2089  12682  14771   Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  : 34.69  0.0000000 ---
Mantel-Haenszel: 34.69  0.0000000 ---
Yates corrected: 34.30  0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 405 | 2421 | 2826   Odds ratio = 1.53 (1.36 <OR< 1.73)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 1376 | 12594 | 13970  Relative risk = 1.45 (1.31 <RR< 1.61)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 1781  15015  16796   Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  : 49.80  0.0000000 ---
Mantel-Haenszel: 49.80  0.0000000 ---
Yates corrected: 49.33  0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 405 | 1469 | 1874
+-----+-----+
-| 1376 | 7041 | 8417
+-----+-----+
E 1781 8510 10291
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.41 (1.24 <OR< 1.60)
Cornfield 95% confidence limits for OR
Relative risk = 1.32 (1.20 <RR< 1.46)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 29.67 0.0000001 ---
Mantel-Haenszel: 29.67 0.0000001 ---
Yates corrected: 29.31 0.0000001 ---

```

```

+ Disease -
+-----+-----+
+| 405 | 1827 | 2232
+-----+-----+
-| 1376 | 8617 | 9993
+-----+-----+
E 1781 10444 12225
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.39 (1.23 <OR< 1.57)
Cornfield 95% confidence limits for OR
Relative risk = 1.32 (1.19 <RR< 1.46)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 28.07 0.0000001 ---
Mantel-Haenszel: 28.06 0.0000001 ---
Yates corrected: 27.71 0.0000001 ---

```

```

+ Disease -
+-----+-----+
+| 405 | 2421 | 2826
+-----+-----+
-| 4655 | 30793 | 35448
+-----+-----+
E 5060 33214 38274
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.11 (0.99 <OR< 1.24)
Cornfield 95% confidence limits for OR
Relative risk = 1.09 (0.99 <RR< 1.20)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.28 0.0700719
Mantel-Haenszel: 3.28 0.0700755
Yates corrected: 3.18 0.0746528

```

```

+ Disease -
+-----+-----+
+| 405 | 1469 | 1874
+-----+-----+
-| 4655 | 19726 | 24381
+-----+-----+
E 5060 21195 26255
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.17 (1.04 <OR< 1.31)
Cornfield 95% confidence limits for OR
Relative risk = 1.13 (1.03 <RR< 1.24)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.10 0.0077242 ---
Mantel-Haenszel: 7.10 0.0077254 ---
Yates corrected: 6.94 0.0084509 ---

```

```

+ Disease -
+-----+-----+
+| 405 | 1827 | 2232
+-----+-----+
-| 4655 | 23860 | 28515
+-----+-----+
E 5060 25687 30747
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.14 (1.01 <OR< 1.27)
Cornfield 95% confidence limits for OR
Relative risk = 1.11 (1.01 <RR< 1.22)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.99 0.0255028 ---
Mantel-Haenszel: 4.99 0.0255052 ---
Yates corrected: 4.86 0.0275201 ---

```

```

+ Disease -
+-----+-----+
+| 405 | 2421 | 2826
+-----+-----+
-| 761 | 5841 | 6602
+-----+-----+
E 1166 8262 9428
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.28 (1.13 <OR< 1.46)
Cornfield 95% confidence limits for OR
Relative risk = 1.24 (1.11 <RR< 1.39)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 14.36 0.0001510 ---
Mantel-Haenszel: 14.36 0.0001511 ---
Yates corrected: 14.10 0.0001731 ---

```

```

+ Disease -
+-----+-----+
+| 405 | 1469 | 1874
+-----+-----+
-| 761 | 3132 | 3893
+-----+-----+
E 1166 4601 5767
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.13 (0.99 <OR< 1.30)
Cornfield 95% confidence limits for OR
Relative risk = 1.11 (0.99 <RR< 1.23)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.34 0.0676254
Mantel-Haenszel: 3.34 0.0676492
Yates corrected: 3.21 0.0730540

```

```

+ Disease -
+-----+-----+
+| 405 | 1827 | 2232
+-----+-----+
-| 761 | 3555 | 4316
+-----+-----+
E 1166 5382 6548
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.04 (0.90 <OR< 1.19)
Cornfield 95% confidence limits for OR
Relative risk = 1.03 (0.92 <RR< 1.15)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.26 0.6069579
Mantel-Haenszel: 0.26 0.6069853
Yates corrected: 0.23 0.6309809

```

```

+ Disease -
+-----+-----+
+| 405 | 2421 | 2826
+-----+-----+
-| 1347 | 9548 | 10895
+-----+-----+
E 1752 11969 13721
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.19 (1.05 <OR< 1.34)
Cornfield 95% confidence limits for OR
Relative risk = 1.16 (1.05 <RR< 1.29)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.80 0.0052228 ---
Mantel-Haenszel: 7.80 0.0052245 ---
Yates corrected: 7.62 0.0057566 ---

```

```

+ Disease -
+-----+-----+
+| 405 | 1469 | 1874
+-----+-----+
-| 1347 | 5856 | 7203
+-----+-----+
E 1752 7325 9077
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.20 (1.06 <OR< 1.36)
Cornfield 95% confidence limits for OR
Relative risk = 1.16 (1.05 <RR< 1.28)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.09 0.0044503 ---
Mantel-Haenszel: 8.09 0.0044525 ---
Yates corrected: 7.90 0.0049313 ---

```

```

+ Disease -
+-----+-----+
+| 405 | 1827 | 2232
+-----+-----+
-| 1347 | 7804 | 9151
+-----+-----+
E 1752 9631 11383
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.28 (1.13 <OR< 1.45)
Cornfield 95% confidence limits for OR
Relative risk = 1.23 (1.11 <RR< 1.36)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 16.17 0.0000580 ---
Mantel-Haenszel: 16.17 0.0000580 ---
Yates corrected: 15.91 0.0000666 ---

```

7) Interstitial lung disease

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  44 | 2421 | 2465   Odds ratio = 0.62 (0.45 <OR< 0.86)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 433 |14851 |15284   Relative risk = 0.63 (0.46 <RR< 0.86)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 477 17272 17749   Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  8.91  0.0028284 ---
Mantel-Haenszel:  8.91  0.0028292 ---
Yates corrected:  8.52  0.0035150 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  44 | 1469 | 1513   Odds ratio = 0.66 (0.48 <OR< 0.92)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 433 | 9607 |10040   Relative risk = 0.67 (0.50 <RR< 0.92)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 477 11076 11553   Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  6.55  0.0104669 ---
Mantel-Haenszel:  6.55  0.0104702 ---
Yates corrected:  6.20  0.0127490 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  44 | 1827 | 1871   Odds ratio = 0.60 (0.44 <OR< 0.83)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 433 |10855 |11288   Relative risk = 0.61 (0.45 <RR< 0.83)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 477 12682 13159   Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  : 10.12  0.0014659 ---
Mantel-Haenszel: 10.12  0.0014666 ---
Yates corrected:  9.70  0.0018421 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  44 | 2421 | 2465   Odds ratio = 1.18 (0.84 <OR< 1.66)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 194 |12594 |12788   Relative risk = 1.18 (0.85 <RR< 1.63)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 238 15015 15253   Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  0.97  0.3256915
Mantel-Haenszel:  0.97  0.3257073
Yates corrected:  0.80  0.3712766

```

```

+ Disease -
+-----+-----+
+| 44 | 1469 | 1513
+-----+-----+
-| 194 | 7041 | 7235
+-----+-----+
E 238 8510 8748
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.09 (0.77 <OR< 1.53)
Cornfield 95% confidence limits for OR
Relative risk = 1.08 (0.79 <RR< 1.50)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.24 0.6220268
Mantel-Haenszel: 0.24 0.6220467
Yates corrected: 0.16 0.6846724

```

```

+ Disease -
+-----+-----+
+| 44 | 1827 | 1871
+-----+-----+
-| 194 | 8617 | 8811
+-----+-----+
E 238 10444 10682
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.07 (0.76 <OR< 1.51)
Cornfield 95% confidence limits for OR
Relative risk = 1.07 (0.77 <RR< 1.48)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.16 0.6899238
Mantel-Haenszel: 0.16 0.6899376
Yates corrected: 0.10 0.7544899

```

```

+ Disease -
+-----+-----+
+| 44 | 2421 | 2465
+-----+-----+
-| 804 | 30793 | 31597
+-----+-----+
E 848 33214 34062
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.70 (0.51 <OR< 0.95)
Cornfield 95% confidence limits for OR
Relative risk = 0.70 (0.52 <RR< 0.95)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.43 0.0197462 ---
Mantel-Haenszel: 5.43 0.0197480 ---
Yates corrected: 5.13 0.0235725 ---

```

```

+ Disease -
+-----+-----+
+| 44 | 1469 | 1513
+-----+-----+
-| 804 | 19726 | 20530
+-----+-----+
E 848 21195 22043
x
P
o
s
u
Analysis of Single Table
Odds ratio = 0.73 (0.53 <OR< 1.01)
Cornfield 95% confidence limits for OR
Relative risk = 0.74 (0.55 <RR< 1.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.87 0.0491154 ---
Mantel-Haenszel: 3.87 0.0491206 ---
Yates corrected: 3.60 0.0576521

```

```

+ Disease -
+-----+-----+
+| 44 | 1827 | 1871
+-----+-----+
-| 804 | 23860 | 24664
+-----+-----+
E 848 25687 26535
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.71 (0.52 <OR< 0.98)
Cornfield 95% confidence limits for OR
Relative risk = 0.72 (0.53 <RR< 0.97)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.64 0.0313083 ---
Mantel-Haenszel: 4.64 0.0313114 ---
Yates corrected: 4.35 0.0370724 ---

```

```

+ Disease -
+-----+-----+
+| 44 | 2421 | 2465
+-----+-----+
-| 124 | 5841 | 5965
+-----+-----+
E 168 8262 8430
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.86 (0.60 <OR< 1.23)
Cornfield 95% confidence limits for OR
Relative risk = 0.86 (0.61 <RR< 1.21)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.77 0.3799524
Mantel-Haenszel: 0.77 0.3799807
Yates corrected: 0.63 0.4281743

```

```

+ Disease -
+-----+-----+
+| 44 | 1469 | 1513
+-----+-----+
-| 124 | 3132 | 3256
+-----+-----+
E 168 4601 4769
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.76 (0.53 <OR< 1.09)
Cornfield 95% confidence limits for OR
Relative risk = 0.76 (0.54 <RR< 1.07)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.46 0.1165450
Mantel-Haenszel: 2.46 0.1165833
Yates corrected: 2.21 0.1375289

```

```

+ Disease -
+-----+-----+
+| 44 | 1827 | 1871
+-----+-----+
-| 124 | 3555 | 3679
+-----+-----+
E 168 5382 5550
x
p
o
s
u
Analysis of Single Table
Odds ratio = 0.69 (0.48 <OR< 0.99)
Cornfield 95% confidence limits for OR
Relative risk = 0.70 (0.50 <RR< 0.98)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.39 0.0362458 ---
Mantel-Haenszel: 4.38 0.0362626 ---
Yates corrected: 4.05 0.0442946 ---

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.14 (0.80 <OR< 1.62)
+ 44 2421 2465	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.14 (0.82 <RR< 1.59)
- 152 9548 9700	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 196 11969 12165	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 0.59 0.4427520
s	Mantel-Haenszel: 0.59 0.4427707
u	Yates corrected: 0.46 0.4977848

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.15 (0.81 <OR< 1.64)
+ 44 1469 1513	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.15 (0.83 <RR< 1.60)
- 152 5856 6008	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 196 7325 7521	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 0.68 0.4092390
s	Mantel-Haenszel: 0.68 0.4092702
u	Yates corrected: 0.54 0.4623647

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.24 (0.87 <OR< 1.76)
+ 44 1827 1871	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.23 (0.88 <RR< 1.72)
- 152 7804 7956	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 196 9631 9827	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 1.51 0.2193999
s	Mantel-Haenszel: 1.51 0.2194234
u	Yates corrected: 1.29 0.2558567

8) Other respiratory diseases

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  59 | 2421 | 2480   Odds ratio = 1.64 (1.21 <OR< 2.21)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 221 | 14851 | 15072 Relative risk = 1.62 (1.22 <RR< 2.16)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 280 17272 17552   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares P-values
-----
Uncorrected : 11.30 0.0007744 ---
Mantel-Haenszel: 11.30 0.0007747 ---
Yates corrected: 10.73 0.0010555 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  59 | 1469 | 1528   Odds ratio = 1.75 (1.29 <OR< 2.36)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 221 | 9607 | 9828   Relative risk = 1.72 (1.30 <RR< 2.28)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 280 11076 11356   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares P-values
-----
Uncorrected : 14.30 0.0001559 ---
Mantel-Haenszel: 14.30 0.0001560 ---
Yates corrected: 13.64 0.0002218 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  59 | 1827 | 1886   Odds ratio = 1.59 (1.17 <OR< 2.14)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 221 | 10855 | 11076 Relative risk = 1.57 (1.18 <RR< 2.08)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 280 12682 12962   Ignore relative risk if case control study.
x
p
o
s
u
Chi-Squares P-values
-----
Uncorrected : 9.79 0.0017560 ---
Mantel-Haenszel: 9.79 0.0017568 ---
Yates corrected: 9.26 0.0023424 ---

```

```

+ Disease -
+-----+-----+
+| 59 | 2421 | 2480
+-----+-----+
-| 146 | 12594 | 12740
+-----+-----+
E 205 15015 15220
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.10 (1.53 <OR< 2.88)
Cornfield 95% confidence limits for OR
Relative risk = 2.08 (1.54 <RR< 2.80)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 23.75 0.0000011 ---
Mantel-Haenszel: 23.75 0.0000011 ---
Yates corrected: 22.83 0.0000018 ---

```

```

+ Disease -
+-----+-----+
+| 59 | 1469 | 1528
+-----+-----+
-| 146 | 7041 | 7187
+-----+-----+
E 205 8510 8715
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.94 (1.41 <OR< 2.66)
Cornfield 95% confidence limits for OR
Relative risk = 1.90 (1.41 <RR< 2.56)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 18.37 0.0000182 ---
Mantel-Haenszel: 18.37 0.0000182 ---
Yates corrected: 17.58 0.0000275 ---

```

```

+ Disease -
+-----+-----+
+| 59 | 1827 | 1886
+-----+-----+
-| 146 | 8617 | 8763
+-----+-----+
E 205 10444 10649
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.91 (1.39 <OR< 2.62)
Cornfield 95% confidence limits for OR
Relative risk = 1.88 (1.39 <RR< 2.53)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 17.58 0.0000276 ---
Mantel-Haenszel: 17.57 0.0000276 ---
Yates corrected: 16.81 0.0000413 ---

```

```

+ Disease -
+-----+-----+
+| 59 | 2421 | 2480
+-----+-----+
-| 489 | 30793 | 31282
+-----+-----+
E 548 33214 33762
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.53 (1.16 <OR< 2.03)
Cornfield 95% confidence limits for OR
Relative risk = 1.52 (1.17 <RR< 1.99)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 9.58 0.0019692 ---
Mantel-Haenszel: 9.58 0.0019695 ---
Yates corrected: 9.07 0.0025928 ---

```

```

+ Disease -
+-----+-----+
+| 59 | 1469 | 1528
+-----+-----+
-| 489 | 19726 | 20215
+-----+-----+
E 548 21195 21743
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.62 (1.22 <OR< 2.15)
Cornfield 95% confidence limits for OR
Relative risk = 1.60 (1.22 <RR< 2.08)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 12.03 0.0005241 ---
Mantel-Haenszel: 12.03 0.0005243 ---
Yates corrected: 11.45 0.0007157 ---

```

```

+ Disease -
+-----+-----+
+| 59 | 1827 | 1886
+-----+-----+
-| 489 | 23860 | 24349
+-----+-----+
E 548 25687 26235
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.58 (1.19 <OR< 2.09)
Cornfield 95% confidence limits for OR
Relative risk = 1.56 (1.19 <RR< 2.03)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 10.74 0.0010505 ---
Mantel-Haenszel: 10.74 0.0010507 ---
Yates corrected: 10.20 0.0014076 ---

```

```

+ Disease -
+-----+-----+
+| 59 | 2421 | 2480
+-----+-----+
-| 60 | 5841 | 5901
+-----+-----+
E 119 8262 8381
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.37 (1.63 <OR< 3.46)
Cornfield 95% confidence limits for OR
Relative risk = 2.34 (1.64 <RR< 3.34)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 23.15 0.0000015 ---
Mantel-Haenszel: 23.15 0.0000015 ---
Yates corrected: 22.19 0.0000025 ---

```

```

+ Disease -
+-----+-----+
+| 59 | 1469 | 1528
+-----+-----+
-| 60 | 3132 | 3192
+-----+-----+
E 119 4601 4720
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.10 (1.43 <OR< 3.07)
Cornfield 95% confidence limits for OR
Relative risk = 2.05 (1.44 <RR< 2.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 16.51 0.0000484 ---
Mantel-Haenszel: 16.51 0.0000485 ---
Yates corrected: 15.71 0.0000737 ---

```

```

+ Disease -
+-----+-----+
+| 59 | 1827 | 1886
+-----+-----+
-| 60 | 3555 | 3615
+-----+-----+
E 119 5382 5501
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 1.91 (1.31 <OR< 2.80)
 Cornfield 95% confidence limits for OR
 Relative risk = 1.88 (1.32 <RR< 2.69)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 12.63 0.0003797 ---
 Mantel-Haenszel: 12.63 0.0003802 ---
 Yates corrected: 11.95 0.0005479 ---

```

+ Disease -
+-----+-----+
+| 59 | 2421 | 2480
+-----+-----+
-| 138 | 9548 | 9686
+-----+-----+
E 197 11969 12166
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 1.69 (1.22 <OR< 2.32)
 Cornfield 95% confidence limits for OR
 Relative risk = 1.67 (1.23 <RR< 2.26)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 11.29 0.0007804 ---
 Mantel-Haenszel: 11.29 0.0007808 ---
 Yates corrected: 10.70 0.0010736 ---

```

+ Disease -
+-----+-----+
+| 59 | 1469 | 1528
+-----+-----+
-| 138 | 5856 | 5994
+-----+-----+
E 197 7325 7522
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 1.70 (1.23 <OR< 2.35)
 Cornfield 95% confidence limits for OR
 Relative risk = 1.68 (1.24 <RR< 2.26)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 11.60 0.0006585 ---
 Mantel-Haenszel: 11.60 0.0006590 ---
 Yates corrected: 11.00 0.0009113 ---

```

+ Disease -
+-----+-----+
+| 59 | 1827 | 1886
+-----+-----+
-| 138 | 7804 | 7942
+-----+-----+
E 197 9631 9828
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 1.83 (1.32 <OR< 2.51)
 Cornfield 95% confidence limits for OR
 Relative risk = 1.80 (1.33 <RR< 2.43)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 15.01 0.0001071 ---
 Mantel-Haenszel: 15.00 0.0001072 ---
 Yates corrected: 14.31 0.0001553 ---

9) Respiratory failure and insufficiency

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  13 | 2421 | 2434   Odds ratio = 2.49 (1.24 <OR< 4.93)
+-----+-----+
-|  32 | 14851 | 14883  Cornfield 95% confidence limits for OR
+-----+-----+
                          Relative risk = 2.48 (1.31 <RR< 4.73)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E  45  17272  17317
x
x
P
o
s
u
                          Chi-Squares  P-values
                          -----  -----
                          Uncorrected  :  8.22  0.0041482  ---
                          Mantel-Haenszel:  8.22  0.0041493  ---
                          Yates corrected:  7.03  0.0080032  ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  13 | 1469 | 1482   Odds ratio = 2.66 (1.32 <OR< 5.26)
+-----+-----+
-|  32 | 9607 | 9639   Cornfield 95% confidence limits for OR
+-----+-----+
                          Relative risk = 2.64 (1.39 <RR< 5.02)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E  45  11076  11121
x
x
P
o
s
u
                          Chi-Squares  P-values
                          -----  -----
                          Uncorrected  :  9.47  0.0020835  ---
                          Mantel-Haenszel:  9.47  0.0020845  ---
                          Yates corrected:  8.17  0.0042592  ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  13 | 1827 | 1840   Odds ratio = 2.41 (1.20 <OR< 4.78)
+-----+-----+
-|  32 | 10855 | 10887  Cornfield 95% confidence limits for OR
+-----+-----+
                          Relative risk = 2.40 (1.26 <RR< 4.57)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E  45  12682  12727
x
x
P
o
s
u
                          Chi-Squares  P-values
                          -----  -----
                          Uncorrected  :  7.60  0.0058209  ---
                          Mantel-Haenszel:  7.60  0.0058228  ---
                          Yates corrected:  6.48  0.0109158  ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  13 | 2421 | 2434   Odds ratio = 2.94 (1.41 <OR< 6.06)
+-----+-----+
-|  23 | 12594 | 12617  Cornfield 95% confidence limits for OR
+-----+-----+
                          Relative risk = 2.93 (1.49 <RR< 5.78)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E  36  15015  15051
x
x
P
o
s
u
                          Chi-Squares  P-values
                          -----  -----
                          Uncorrected  :  10.58  0.0011411  ---
                          Mantel-Haenszel:  10.58  0.0011416  ---
                          Yates corrected:  9.16  0.0024732  ---

```

```

+ Disease -
+-----+-----+
+| 13 | 1469 | 1482
+-----+-----+
-| 23 | 7041 | 7064
+-----+-----+
E 36 8510 8546
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.71 (1.30 <OR< 5.59)
Cornfield 95% confidence limits for OR
Relative risk = 2.69 (1.37 <RR< 5.31)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 8.89 0.0028746 ---
Mantel-Haenszel: 8.88 0.0028763 ---
Yates corrected: 7.62 0.0057755 ---

```

+ Disease -
+-----+-----+
+| 13 | 1827 | 1840
+-----+-----+
-| 23 | 8617 | 8640
+-----+-----+
E 36 10444 10480
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.67 (1.28 <OR< 5.50)
Cornfield 95% confidence limits for OR
Relative risk = 2.65 (1.35 <RR< 5.23)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 8.59 0.0033778 ---
Mantel-Haenszel: 8.59 0.0033793 ---
Yates corrected: 7.35 0.0066945 ---

```

+ Disease -
+-----+-----+
+| 13 | 2421 | 2434
+-----+-----+
-| 65 | 30793 | 30858
+-----+-----+
E 78 33214 33292
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.54 (1.34 <OR< 4.76)
Cornfield 95% confidence limits for OR
Relative risk = 2.54 (1.40 <RR< 4.59)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 10.10 0.0014841 ---
Mantel-Haenszel: 10.10 0.0014843 ---
Yates corrected: 8.76 0.0030759 ---

```

+ Disease -
+-----+-----+
+| 13 | 1469 | 1482
+-----+-----+
-| 65 | 19726 | 19791
+-----+-----+
E 78 21195 21273
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.69 (1.41 <OR< 5.03)
Cornfield 95% confidence limits for OR
Relative risk = 2.67 (1.48 <RR< 4.83)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 11.37 0.0007483 ---
Mantel-Haenszel: 11.36 0.0007485 ---
Yates corrected: 9.91 0.0016413 ---

```

+ Disease -
+-----+-----+
+| 13 | 1827 | 1840
+-----+-----+
-| 65 | 23860 | 23925
+-----+-----+
E 78 25687 25765
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 2.61 (1.37 <OR< 4.89)
 Cornfield 95% confidence limits for OR
 Relative risk = 2.60 (1.44 <RR< 4.71)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 10.70 0.0010690 ---
 Mantel-Haenszel: 10.70 0.0010692 ---
 Yates corrected: 9.31 0.0022768 ---

```

+ Disease -
+-----+-----+
+| 13 | 2421 | 2434
+-----+-----+
-| 2 | 5841 | 5843
+-----+-----+
E 15 8262 8277
x
p
o
s
u
r
e

```

Analysis of Single Table

Odds ratio = 15.68 (3.38 <OR< 100.58*)
 Cornfield 95% confidence limits for OR
 *Cornfield not accurate. Exact limits preferred.
 Relative risk = 15.60 (3.52 <RR< 69.10)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 23.73 0.0000011 ---
 Mantel-Haenszel: 23.73 0.0000011 ---
 Yates corrected: 21.05 0.0000045 ---
 Fisher exact: 1-tailed P-value: 0.0000067 --
 2-tailed P-value: 0.0000067 --

An expected cell value is less than 5.
 Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 13 | 1469 | 1482
+-----+-----+
-| 2 | 3132 | 3134
+-----+-----+
E 15 4601 4616
x
p
o
s
u
r
e

```

Analysis of Single Table

Odds ratio = 13.86 (2.99 <OR< 88.94*)
 Cornfield 95% confidence limits for OR
 *Cornfield not accurate. Exact limits preferred.
 Relative risk = 13.75 (3.11 <RR< 60.83)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 20.55 0.0000058 ---
 Mantel-Haenszel: 20.55 0.0000058 ---
 Yates corrected: 18.12 0.0000208 ---
 Fisher exact: 1-tailed P-value: 0.0000193 --
 2-tailed P-value: 0.0000193 --

An expected cell value is less than 5.
 Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 13 | 1827 | 1840
+-----+-----+
-| 2 | 3555 | 3557
+-----+-----+
E 15 5382 5397
x
p
o
s
u
r

```

Analysis of Single Table
Odds ratio = 12.65 (2.73 <OR< 81.15*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 12.57 (2.84 <RR< 55.62)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 18.50 0.0000170 ---
Mantel-Haenszel: 18.50 0.0000170 ---
Yates corrected: 16.23 0.0000561 ---

```

+ Disease -
+-----+-----+
+| 13 | 2421 | 2434
+-----+-----+
-| 20 | 9548 | 9568
+-----+-----+
E 33 11969 12002
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.56 (1.20 <OR< 5.40)
Cornfield 95% confidence limits for OR
Relative risk = 2.56 (1.27 <RR< 5.13)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 7.48 0.0062462 ---
Mantel-Haenszel: 7.48 0.0062484 ---
Yates corrected: 6.34 0.0118090 ---

```

+ Disease -
+-----+-----+
+| 13 | 1469 | 1482
+-----+-----+
-| 20 | 5856 | 5876
+-----+-----+
E 33 7325 7358
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.59 (1.22 <OR< 5.47)
Cornfield 95% confidence limits for OR
Relative risk = 2.58 (1.28 <RR< 5.17)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 7.64 0.0057121 ---
Mantel-Haenszel: 7.64 0.0057154 ---
Yates corrected: 6.48 0.0108855 ---

```

+ Disease -
+-----+-----+
+| 13 | 1827 | 1840
+-----+-----+
-| 20 | 7804 | 7824
+-----+-----+
E 33 9631 9664
x
p
o
s
u

```

Analysis of Single Table
Odds ratio = 2.78 (1.30 <OR< 5.85)
Cornfield 95% confidence limits for OR
Relative risk = 2.76 (1.38 <RR< 5.55)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 8.90 0.0028522 ---
Mantel-Haenszel: 8.90 0.0028536 ---
Yates corrected: 7.62 0.0057596 ---

10) Other diseases of the lung

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  2 | 2421 | 2423   Odds ratio = 0.61 (0.10 <OR< 2.71*)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 20 | 14851 | 14871 *Cornfield not accurate. Exact limits preferred.
+-----+-----+   Relative risk = 0.61 (0.14 <RR< 2.62)
E 22 17272 17294   Taylor Series 95% confidence limits for RR
                    Ignore relative risk if case control study.
x
p
o
s
u
r
e
                    Chi-Squares  P-values
                    -----  -----
                    Uncorrected : 0.44 0.5058976
                    Mantel-Haenszel: 0.44 0.5059099
                    Yates corrected: 0.13 0.7204002
                    Fisher exact: 1-tailed P-value: 0.3869924
                    2-tailed P-value: 0.7592237

```

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  2 | 1469 | 1471   Odds ratio = 0.65 (0.11 <OR< 2.89*)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 20 | 9607 | 9627   *Cornfield not accurate. Exact limits preferred.
+-----+-----+   Relative risk = 0.65 (0.15 <RR< 2.80)
E 22 11076 11098   Taylor Series 95% confidence limits for RR
                    Ignore relative risk if case control study.
x
p
o
s
u
r
e
                    Chi-Squares  P-values
                    -----  -----
                    Uncorrected : 0.33 0.5642607
                    Mantel-Haenszel: 0.33 0.5642782
                    Yates corrected: 0.07 0.7934487
                    Fisher exact: 1-tailed P-value: 0.4270164
                    2-tailed P-value: 0.7591517

```

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+|  2 | 1827 | 1829
+-----+-----+
-| 20 | 10855 | 10875
+-----+-----+
E  22  12682  12704
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 0.59 (0.10 <OR< 2.63*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 0.59 (0.14 <RR< 2.54)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.50 0.4779815
Mantel-Haenszel: 0.50 0.4779988
Yates corrected: 0.16 0.6850098
Fisher exact: 1-tailed P-value: 0.3673266
2-tailed P-value: 0.7601260

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+|  2 | 2421 | 2423
+-----+-----+
-| 13 | 12594 | 12607
+-----+-----+
E  15  15015  15030
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 0.80 (0.12 <OR< 3.71*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 0.80 (0.18 <RR< 3.54)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.09 0.7689407
Mantel-Haenszel: 0.09 0.7689481
Yates corrected: 0.00 0.9541547
Fisher exact: 1-tailed P-value: 0.5555313
2-tailed P-value: 1.0000000

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+|  2 | 1469 | 1471
+-----+-----+
-| 13 | 7041 | 7054
+-----+-----+
E 15  8510  8525
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 0.74 (0.11 <OR< 3.42*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 0.74 (0.17 <RR< 3.27)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.16 0.6874403
Mantel-Haenszel: 0.16 0.6874577
Yates corrected: 0.00 0.9518612
Fisher exact: 1-tailed P-value: 0.5072861
2-tailed P-value: 1.0000000

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+|  2 | 1827 | 1829
+-----+-----+
-| 13 | 8617 | 8630
+-----+-----+
E 15 10444 10459
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 0.73 (0.11 <OR< 3.37*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 0.73 (0.16 <RR< 3.21)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.18 0.6716828
Mantel-Haenszel: 0.18 0.6716976
Yates corrected: 0.01 0.9332681
Fisher exact: 1-tailed P-value: 0.4976113
2-tailed P-value: 1.0000000

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+|  2 | 2421 | 2423
+-----+-----+
-| 87 | 30793 | 30880
+-----+-----+
E 89 33214 33303
x
p
o
s
u
r

```

Analysis of Single Table
Odds ratio = 0.29 (0.05 <OR< 1.20*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 0.29 (0.07 <RR< 1.19)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 3.34 0.0674231
Mantel-Haenszel: 3.34 0.0674272
Yates corrected: 2.64 0.1042655

```

+ Disease -
+-----+-----+
+|  2 | 1469 | 1471
+-----+-----+
-|  87 | 19726 | 19813
+-----+-----+
E  89  21195  21284
x
p
o
s
u
r

```

Analysis of Single Table
Odds ratio = 0.31 (0.05 <OR< 1.27*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 0.31 (0.08 <RR< 1.26)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 3.02 0.0821437
Mantel-Haenszel: 3.02 0.0821509
Yates corrected: 2.34 0.1262668

```

+ Disease -
+-----+-----+
+|  2 | 1827 | 1829
+-----+-----+
-|  87 | 23860 | 23947
+-----+-----+
E  89  25687  25776
x
p
o
s
u
r

```

Analysis of Single Table
Odds ratio = 0.30 (0.05 <OR< 1.24*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 0.30 (0.07 <RR< 1.22)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 3.18 0.0743257
Mantel-Haenszel: 3.18 0.0743313
Yates corrected: 2.49 0.1146063

```

+ Disease -
+-----+-----+
+|  2 | 2421 | 2423
+-----+-----+
-|  2 | 5841 | 5843
+-----+-----+
E  4  8262  8266
x
p
o
s
u
r
e

```

Analysis of Single Table
Odds ratio = 2.41 (0.24 <OR< 23.85*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 2.41 (0.34 <RR< 17.11)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.83 0.3632698
Mantel-Haenszel: 0.83 0.3632989
Yates corrected: 0.13 0.7189920
Fisher exact: 1-tailed P-value: 0.3361871
2-tailed P-value: 0.5857794

An expected cell value is less than 5.
Fisher exact results recommended.

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 2.13 (0.22 <OR< 21.09*)
+	2 1469 1471		Cornfield 95% confidence limits for OR
	+-----+-----+		*Cornfield not accurate. Exact limits preferred.
-	2 3132 3134		Relative risk = 2.13 (0.30 <RR< 15.11)
	+-----+-----+		Taylor Series 95% confidence limits for RR
E	4 4601 4605		Ignore relative risk if case control study.
x			
p			Chi-Squares P-values
o			-----
s			Uncorrected : 0.60 0.4384204
u			Mantel-Haenszel: 0.60 0.4384701
r			Yates corrected: 0.06 0.8115349
e			Fisher exact: 1-tailed P-value: 0.3827028
			2-tailed P-value: 0.5970963
			An expected cell value is less than 5.
			Fisher exact results recommended.

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 1.95 (0.20 <OR< 19.24*)
+	2 1827 1829		Cornfield 95% confidence limits for OR
	+-----+-----+		*Cornfield not accurate. Exact limits preferred.
-	2 3555 3557		Relative risk = 1.94 (0.27 <RR< 13.80)
	+-----+-----+		Taylor Series 95% confidence limits for RR
E	4 5382 5386		Ignore relative risk if case control study.
x			
p			Chi-Squares P-values
o			-----
s			Uncorrected : 0.46 0.4979433
u			Mantel-Haenszel: 0.46 0.4979832
r			Yates corrected: 0.02 0.8810597
e			Fisher exact: 1-tailed P-value: 0.4185220
			2-tailed P-value: 0.6086391
			An expected cell value is less than 5.
			Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+|  2 | 2421 | 2423
+-----+-----+
-|  4 | 9548 | 9552
+-----+-----+
E   6  11969  11975
x
p
o
s
u
r
e

```

Analysis of Single Table

Odds ratio = 1.97 (0.25 <OR< 12.42*)
 Cornfield 95% confidence limits for OR
 *Cornfield not accurate. Exact limits preferred.
 Relative risk = 1.97 (0.36 <RR< 10.76)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.64 0.4243496
 Mantel-Haenszel: 0.64 0.4243690
 Yates corrected: 0.08 0.7713005
 Fisher exact: 1-tailed P-value: 0.3503874
 2-tailed P-value: 0.3503874

An expected cell value is less than 5.
 Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+|  2 | 1469 | 1471
+-----+-----+
-|  4 | 5856 | 5860
+-----+-----+
E   6   7325   7331
x
p
o
s
u
r
e

```

Analysis of Single Table

Odds ratio = 1.99 (0.25 <OR< 12.57*)
 Cornfield 95% confidence limits for OR
 *Cornfield not accurate. Exact limits preferred.
 Relative risk = 1.99 (0.37 <RR< 10.86)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.66 0.4168922
 Mantel-Haenszel: 0.66 0.4169240
 Yates corrected: 0.09 0.7627051
 Fisher exact: 1-tailed P-value: 0.3462497
 2-tailed P-value: 0.3462497

An expected cell value is less than 5.
 Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 2 | 1827 | 1829
+-----+-----+
-| 4 | 7804 | 7808
+-----+-----+
E 6 9631 9637
x
p
o
s
u
r
e

```

Analysis of Single Table

Odds ratio = 2.14 (0.27 <OR< 13.46*)

Cornfield 95% confidence limits for OR

*Cornfield not accurate. Exact limits preferred.

Relative risk = 2.13 (0.39 <RR< 11.65)

Taylor Series 95% confidence limits for RR

Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 0.80 0.3697536

Mantel-Haenszel: 0.80 0.3697785

Yates corrected: 0.14 0.7067486

Fisher exact: 1-tailed P-value: 0.3195537

2-tailed P-value: 0.3195537

An expected cell value is less than 5.
Fisher exact results recommended.

Aggregate OR's for Pattern Analysis 3

```

+ Disease -
+-----+-----+
+| 287 | 5717 | 6004
+-----+-----+
-| 5171 |173680 |178851
+-----+-----+
E 5458 179397 184855
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 1.69 (1.49 <OR< 1.91)

Cornfield 95% confidence limits for OR

Relative risk = 1.65 (1.47 <RR< 1.86)

Taylor Series 95% confidence limits for RR

Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 72.33 0.0000000 ---

Mantel-Haenszel: 72.33 0.0000000 ---

Yates corrected: 71.68 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 299 | 5717 | 6016
+-----+-----+
-| 5750 |173680 |179430
+-----+-----+
E 6049 179397 185446
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 1.58 (1.40 <OR< 1.78)

Cornfield 95% confidence limits for OR

Relative risk = 1.55 (1.38 <RR< 1.74)

Taylor Series 95% confidence limits for RR

Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 57.50 0.0000000 ---

Mantel-Haenszel: 57.50 0.0000000 ---

Yates corrected: 56.94 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 59 | 5717 | 5776
+-----+-----+
-| 1054 |137680 |138734
+-----+-----+
E 1113 143397 144510

```

Analysis of Single Table

Odds ratio = 1.35 (1.03 <OR< 1.77)

Cornfield 95% confidence limits for OR

Relative risk = 1.34 (1.04 <RR< 1.75)

Taylor Series 95% confidence limits for RR

Ignore relative risk if case control study.

```

x
p
o
s
u

```

Chi-Squares P-values

```

-----
Uncorrected : 4.97 0.0257805 ---
Mantel-Haenszel: 4.97 0.0257810 ---
Yates corrected: 4.63 0.0313425 ---

```

```

+ Disease -
+-----+-----+
+| 405 | 5717 | 6122
+-----+-----+
-| 9823 |137680 |147503
+-----+-----+
E 10228 143397 153625

```

Analysis of Single Table

Odds ratio = 0.99 (0.89 <OR< 1.10)

Cornfield 95% confidence limits for OR

Relative risk = 0.99 (0.90 <RR< 1.09)

Taylor Series 95% confidence limits for RR

Ignore relative risk if case control study.

```

x
p
o
s
u

```

Chi-Squares P-values

```

-----
Uncorrected : 0.02 0.8922597
Mantel-Haenszel: 0.02 0.8922601
Yates corrected: 0.01 0.9129767

```

APPENDIX I

STATISTICAL SUPPORT FOR PATTERN ANALYSIS 4: ICD-9-BASED ABNORMAL BIRTH OUTCOMES, MORBIDITY ODDS RATIO METHOD, LOMPOC VS. COMPARISON COUNTIES, 1991-1994

Panel 1 – Definitions and summary

DISEASE ICD-9 CODES	Lompoc	SB-Lompoc	SLO Co.	Ventura Co	Mendocino	Hum&Del N
I. Respiratory disease →	74	199	101	458	52	63
Intrauterine hypoxia & birth as 768						
Respiratory distress syndrome 769						
Other resp fetus & newborn 770						
II. Low birth weight →	21	69	98	147	25	50
Low birth wt. 7641 through 7658						

Panel 2 – Morbidity Odds Ratio (MOR) control series

DISEASE ICD-9 CODES	Lompoc	SB-Lompoc	SLO Co.	Ventura Co	Mendocino	Hum&Del N
I. MOR control series						
Circulatory	2,421	14,851	12,594	30,793	5,841	9,548
Digestive	1,469	9,607	7,041	19,726	3,132	5,856
Trauma	1,827	10,855	8,617	23,860	3,555	7,804

Panel 3 – Statistical support

Disease comparisons: Circulatory, Digestive, Trauma

County comparisons: Santa Barbara minus Lompoc, Ventura, San Luis Obispo, Mendocino, and Humboldt and Del Norte counties.

1) Low birth weight delivery.

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  21 | 2421 | 2442      Odds ratio = 1.87 (1.11 <OR< 3.12)
+-----+-----+      Cornfield 95% confidence limits for OR
-|  69 | 14851 | 14920    Relative risk = 1.86 (1.14 <RR< 3.02)
+-----+-----+      Taylor Series 95% confidence limits for RR
E  90  17272  17362    Ignore relative risk if case control study.
x
x                   Chi-Squares  P-values
p                   -----
o                   Uncorrected :  6.43  0.0112248 ---
s                   Mantel-Haenszel:  6.43  0.0112271 ---
u                   Yates corrected:  5.68  0.0171428 ---

```

```

+ Disease -
+-----+-----+
+| 21 | 1469 | 1490
+-----+-----+
-| 69 | 9607 | 9676
+-----+-----+
E 90 11076 11166
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.99 (1.18 <OR< 3.33)
Cornfield 95% confidence limits for OR
Relative risk = 1.98 (1.22 <RR< 3.21)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.83 0.0051399 ---
Mantel-Haenszel: 7.83 0.0051419 ---
Yates corrected: 6.98 0.0082293 ---

```

```

+ Disease -
+-----+-----+
+| 21 | 1827 | 1848
+-----+-----+
-| 69 | 10855 | 10924
+-----+-----+
E 90 12682 12772
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.81 (1.07 <OR< 3.02)
Cornfield 95% confidence limits for OR
Relative risk = 1.80 (1.11 <RR< 2.92)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.75 0.0164443 ---
Mantel-Haenszel: 5.75 0.0164485 ---
Yates corrected: 5.06 0.0245409 ---

```

```

+ Disease -
+-----+-----+
+| 21 | 2421 | 2442
+-----+-----+
-| 147 | 30793 | 30940
+-----+-----+
E 168 33214 33382
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.82 (1.12 <OR< 2.93)
Cornfield 95% confidence limits for OR
Relative risk = 1.81 (1.15 <RR< 2.85)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.69 0.0096723 ---
Mantel-Haenszel: 6.69 0.0096734 ---
Yates corrected: 5.95 0.0147358 ---

```

```

+ Disease -
+-----+-----+
+| 21 | 1469 | 1490
+-----+-----+
-| 147 | 19726 | 19873
+-----+-----+
E 168 21195 21363
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.92 (1.18 <OR< 3.10)
Cornfield 95% confidence limits for OR
Relative risk = 1.91 (1.21 <RR< 3.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.97 0.0047622 ---
Mantel-Haenszel: 7.97 0.0047631 ---
Yates corrected: 7.13 0.0075704 ---

```

```

+ Disease -
+-----+-----+
+| 21 | 1827 | 1848
+-----+-----+
-| 147 | 23860 | 24007
+-----+-----+
E 168 25687 25855
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.87 (1.15 <OR< 3.01)
Cornfield 95% confidence limits for OR
Relative risk = 1.86 (1.18 <RR< 2.92)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.30 0.0068973 ---
Mantel-Haenszel: 7.30 0.0068984 ---
Yates corrected: 6.51 0.0107250 ---

```

```

+ Disease -
+-----+-----+
+| 21 | 2421 | 2442
+-----+-----+
-| 98 | 12594 | 12692
+-----+-----+
E 119 15015 15134
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.11 (0.67 <OR< 1.83)
Cornfield 95% confidence limits for OR
Relative risk = 1.11 (0.70 <RR< 1.78)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.20 0.6527742
Mantel-Haenszel: 0.20 0.6527849
Yates corrected: 0.11 0.7453170

```

```

+ Disease -
+-----+-----+
+| 21 | 1469 | 1490
+-----+-----+
-| 98 | 7041 | 7139
+-----+-----+
E 119 8510 8629
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.03 (0.62 <OR< 1.69)
Cornfield 95% confidence limits for OR
Relative risk = 1.03 (0.64 <RR< 1.64)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.01 0.9121296
Mantel-Haenszel: 0.01 0.9121347
Yates corrected: 0.00 0.9906172

```

```

+ Disease -
+-----+-----+
+| 21 | 1827 | 1848
+-----+-----+
-| 98 | 8617 | 8715
+-----+-----+
E 119 10444 10563
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.01 (0.61 <OR< 1.66)
Cornfield 95% confidence limits for OR
Relative risk = 1.01 (0.63 <RR< 1.61)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.00 0.9649843
Mantel-Haenszel: 0.00 0.9649859
Yates corrected: 0.01 0.9382833

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.03 (1.09 <OR< 3.76)
+ 21 2421 2442	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.02 (1.13 <RR< 3.60)
- 25 5841 5866	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 46 8262 8308	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 5.89 0.0152110 ---
s	Mantel-Haenszel: 5.89 0.0152172 ---
u	Yates corrected: 5.13 0.0235102 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.79 (0.96 <OR< 3.33)
+ 21 1469 1490	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.78 (1.00 <RR< 3.17)
- 25 3132 3157	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 46 4601 4647	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 3.94 0.0471996 ---
s	Mantel-Haenszel: 3.94 0.0472234 ---
u	Yates corrected: 3.33 0.0678861

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.63 (0.88 <OR< 3.03)
+ 21 1827 1848	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.63 (0.91 <RR< 2.90)
- 25 3555 3580	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 46 5382 5428	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 2.78 0.0952555
s	Mantel-Haenszel: 2.78 0.0952860
u	Yates corrected: 2.29 0.1305172

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.66 (0.96 <OR< 2.83)
+ 21 2421 2442	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.65 (0.99 <RR< 2.74)
- 50 9548 9598	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 71 11969 12040	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 3.82 0.0507518
s	Mantel-Haenszel: 3.82 0.0507614
u	Yates corrected: 3.26 0.0709865

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.67 (0.97 <OR< 2.87)
+ 21 1469 1490	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.66 (1.00 <RR< 2.76)
- 50 5856 5906	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 71 7325 7396	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 3.96 0.0464871 ---
s	Mantel-Haenszel: 3.96 0.0465019 ---
u	Yates corrected: 3.39 0.0654337

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.79 (1.04 <OR< 3.07)
+ 21 1827 1848	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.78 (1.07 <RR< 2.96)
- 50 7804 7854	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 71 9631 9702	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 5.14 0.0233394 ---
s	Mantel-Haenszel: 5.14 0.0233465 ---
u	Yates corrected: 4.48 0.0343310 ---

2) Respiratory disease.

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.28 (1.72 <OR< 3.01)
+ 74 2421 2495	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.24 (1.72 <RR< 2.92)
- 199 14851 15050	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 273 17272 17545	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 37.75 0.0000000 ---
s	Mantel-Haenszel: 37.75 0.0000000 ---
u	Yates corrected: 36.68 0.0000000 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.43 (1.83 <OR< 3.22)
+ 74 1469 1543	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.36 (1.82 <RR< 3.07)
- 199 9607 9806	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 273 11076 11349	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 43.46 0.0000000 ---
s	Mantel-Haenszel: 43.46 0.0000000 ---
u	Yates corrected: 42.29 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 74 | 1827 | 1901
+-----+-----+
-| 199 | 10855 | 11054
+-----+-----+
E 273 12682 12955
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.21 (1.67 <OR< 2.92)
Cornfield 95% confidence limits for OR
Relative risk = 2.16 (1.66 <RR< 2.81)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 34.43 0.0000000 ---
Mantel-Haenszel: 34.42 0.0000000 ---
Yates corrected: 33.42 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 74 | 2421 | 2495
+-----+-----+
-| 458 | 30793 | 31251
+-----+-----+
E 532 33214 33746
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.06 (1.59 <OR< 2.65)
Cornfield 95% confidence limits for OR
Relative risk = 2.02 (1.59 <RR< 2.58)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 33.52 0.0000000 ---
Mantel-Haenszel: 33.52 0.0000000 ---
Yates corrected: 32.56 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 74 | 1469 | 1543
+-----+-----+
-| 458 | 19726 | 20184
+-----+-----+
E 532 21195 21727
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.17 (1.67 <OR< 2.81)
Cornfield 95% confidence limits for OR
Relative risk = 2.11 (1.66 <RR< 2.69)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 38.31 0.0000000 ---
Mantel-Haenszel: 38.31 0.0000000 ---
Yates corrected: 37.26 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 74 | 1827 | 1901
+-----+-----+
-| 458 | 23860 | 24318
+-----+-----+
E 532 25687 26219
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.11 (1.63 <OR< 2.73)
Cornfield 95% confidence limits for OR
Relative risk = 2.07 (1.62 <RR< 2.63)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 35.81 0.0000000 ---
Mantel-Haenszel: 35.81 0.0000000 ---
Yates corrected: 34.81 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 74 | 2421 | 2495
+-----+-----+
-| 101 | 12594 | 12695
+-----+-----+
E 175 15015 15190
x
p
o
s
u
Analysis of Single Table
Odds ratio = 3.81 (2.78 <OR< 5.22)
Cornfield 95% confidence limits for OR
Relative risk = 3.73 (2.77 <RR< 5.02)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 86.25 0.0000000 ---
Mantel-Haenszel: 86.24 0.0000000 ---
Yates corrected: 84.35 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 74 | 1469 | 1543
+-----+-----+
-| 101 | 7041 | 7142
+-----+-----+
E 175 8510 8685
x
p
o
s
u
Analysis of Single Table
Odds ratio = 3.51 (2.56 <OR< 4.82)
Cornfield 95% confidence limits for OR
Relative risk = 3.39 (2.53 <RR< 4.55)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 73.49 0.0000000 ---
Mantel-Haenszel: 73.49 0.0000000 ---
Yates corrected: 71.79 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 74 | 1827 | 1901
+-----+-----+
-| 101 | 8617 | 8718
+-----+-----+
E 175 10444 10619
x
p
o
s
u
Analysis of Single Table
Odds ratio = 3.46 (2.52 <OR< 4.73)
Cornfield 95% confidence limits for OR
Relative risk = 3.36 (2.50 <RR< 4.52)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 71.98 0.0000000 ---
Mantel-Haenszel: 71.98 0.0000000 ---
Yates corrected: 70.31 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 74 | 2421 | 2495
+-----+-----+
-| 52 | 5841 | 5893
+-----+-----+
E 126 8262 8388
x
p
o
s
u
Analysis of Single Table
Odds ratio = 3.43 (2.37 <OR< 4.99)
Cornfield 95% confidence limits for OR
Relative risk = 3.36 (2.36 <RR< 4.78)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 51.43 0.0000000 ---
Mantel-Haenszel: 51.42 0.0000000 ---
Yates corrected: 50.03 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 74 | 1469 | 1543
+-----+-----+
-| 52 | 3132 | 3184
+-----+-----+
E 126 4601 4727
x
p
o
s
u
Analysis of Single Table
Odds ratio = 3.03 (2.09 <OR< 4.42)
Cornfield 95% confidence limits for OR
Relative risk = 2.94 (2.07 <RR< 4.16)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 40.07 0.0000000 ---
Mantel-Haenszel: 40.06 0.0000000 ---
Yates corrected: 38.86 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 74 | 1827 | 1901
+-----+-----+
-| 52 | 3555 | 3607
+-----+-----+
E 126 5382 5508
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.77 (1.91 <OR< 4.03)
Cornfield 95% confidence limits for OR
Relative risk = 2.70 (1.90 <RR< 3.83)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 33.46 0.0000000 ---
Mantel-Haenszel: 33.45 0.0000000 ---
Yates corrected: 32.37 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 74 | 2421 | 2495
+-----+-----+
-| 63 | 9548 | 9611
+-----+-----+
E 137 11969 12106
x
p
o
s
u
Analysis of Single Table
Odds ratio = 4.63 (3.26 <OR< 6.59)
Cornfield 95% confidence limits for OR
Relative risk = 4.52 (3.24 <RR< 6.31)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 94.50 0.0000000 ---
Mantel-Haenszel: 94.50 0.0000000 ---
Yates corrected: 92.45 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 74 | 1469 | 1543
+-----+-----+
-| 63 | 5856 | 5919
+-----+-----+
E 137 7325 7462
x
p
o
s
u
Analysis of Single Table
Odds ratio = 4.68 (3.29 <OR< 6.68)
Cornfield 95% confidence limits for OR
Relative risk = 4.51 (3.24 <RR< 6.28)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 94.56 0.0000000 ---
Mantel-Haenszel: 94.55 0.0000000 ---
Yates corrected: 92.50 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  74 | 1827 | 1901   Odds ratio = 5.02 (3.52 <OR< 7.14)
+-----+-----+
                        Cornfield 95% confidence limits for OR
-|  63 | 7804 | 7867   Relative risk = 4.86 (3.49 <RR< 6.78)
+-----+-----+
                        Taylor Series 95% confidence limits for RR
                        Ignore relative risk if case control study.
E 137  9631  9768
x
x
P
o
s
u
                        Chi-Squares  P-values
                        -----  -----
                        Uncorrected : 105.84  0.0000000 ---
                        Mantel-Haenszel: 105.83  0.0000000 ---
                        Yates corrected: 103.62  0.0000000 ---

```

3) These data were not used

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 169 | 2421 | 2590   Odds ratio = 2.22 (1.84 <OR< 2.67)
+-----+-----+
                        Cornfield 95% confidence limits for OR
-| 467 | 14851 | 15318 Relative risk = 2.14 (1.80 <RR< 2.54)
+-----+-----+
                        Taylor Series 95% confidence limits for RR
                        Ignore relative risk if case control study.
E 636 17272 17908
x
x
P
o
s
u
                        Chi-Squares  P-values
                        -----  -----
                        Uncorrected : 78.16  0.0000000 ---
                        Mantel-Haenszel: 78.16  0.0000000 ---
                        Yates corrected: 77.15  0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 169 | 1469 | 1638   Odds ratio = 2.37 (1.96 <OR< 2.86)
+-----+-----+
                        Cornfield 95% confidence limits for OR
-| 467 | 9607 | 10074 Relative risk = 2.23 (1.88 <RR< 2.63)
+-----+-----+
                        Taylor Series 95% confidence limits for RR
                        Ignore relative risk if case control study.
E 636 11076 11712
x
x
P
o
s
u
                        Chi-Squares  P-values
                        -----  -----
                        Uncorrected : 88.57  0.0000000 ---
                        Mantel-Haenszel: 88.56  0.0000000 ---
                        Yates corrected: 87.46  0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 169 | 1827 | 1996   Odds ratio = 2.15 (1.78 <OR< 2.59)
+-----+-----+
                        Cornfield 95% confidence limits for OR
-| 467 | 10855 | 11322 Relative risk = 2.05 (1.73 <RR< 2.43)
+-----+-----+
                        Taylor Series 95% confidence limits for RR
                        Ignore relative risk if case control study.
E 636 12682 13318
x
x
P
o
s
u
                        Chi-Squares  P-values
                        -----  -----
                        Uncorrected : 70.36  0.0000000 ---
                        Mantel-Haenszel: 70.35  0.0000000 ---
                        Yates corrected: 69.40  0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 169 | 2421 | 2590
+-----+-----+
-| 1095 | 30793 | 31888
+-----+-----+
E 1264 33214 34478
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.96 (1.65 <OR< 2.33)
Cornfield 95% confidence limits for OR
Relative risk = 1.90 (1.62 <RR< 2.22)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 64.81 0.0000000 ---
Mantel-Haenszel: 64.81 0.0000000 ---
Yates corrected: 63.94 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 169 | 1469 | 1638
+-----+-----+
-| 1095 | 19726 | 20821
+-----+-----+
E 1264 21195 22459
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.07 (1.74 <OR< 2.47)
Cornfield 95% confidence limits for OR
Relative risk = 1.96 (1.68 <RR< 2.29)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 73.15 0.0000000 ---
Mantel-Haenszel: 73.15 0.0000000 ---
Yates corrected: 72.21 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 169 | 1827 | 1996
+-----+-----+
-| 1095 | 23860 | 24955
+-----+-----+
E 1264 25687 26951
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.02 (1.70 <OR< 2.39)
Cornfield 95% confidence limits for OR
Relative risk = 1.93 (1.65 <RR< 2.25)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 68.79 0.0000000 ---
Mantel-Haenszel: 68.79 0.0000000 ---
Yates corrected: 67.88 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 169 | 2421 | 2590
+-----+-----+
-| 328 | 12594 | 12922
+-----+-----+
E 497 15015 15512
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.68 (2.21 <OR< 3.26)
Cornfield 95% confidence limits for OR
Relative risk = 2.57 (2.15 <RR< 3.08)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 110.58 0.0000000 ---
Mantel-Haenszel: 110.57 0.0000000 ---
Yates corrected: 109.29 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 169 | 1469 | 1638
+-----+-----+
-| 328 | 7041 | 7369
+-----+-----+
E 497 8510 9007
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 2.47 (2.02 <OR< 3.01)
 Cornfield 95% confidence limits for OR
 Relative risk = 2.32 (1.94 <RR< 2.77)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 88.46 0.0000000 ---
 Mantel-Haenszel: 88.45 0.0000000 ---
 Yates corrected: 87.34 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 169 | 1827 | 1996
+-----+-----+
-| 328 | 8617 | 8945
+-----+-----+
E 497 10444 10941
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 2.43 (2.00 <OR< 2.96)
 Cornfield 95% confidence limits for OR
 Relative risk = 2.31 (1.93 <RR< 2.76)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 86.71 0.0000000 ---
 Mantel-Haenszel: 86.70 0.0000000 ---
 Yates corrected: 85.61 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 169 | 2421 | 2590
+-----+-----+
-| 165 | 5841 | 6006
+-----+-----+
E 334 8262 8596
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 2.47 (1.97 <OR< 3.10)
 Cornfield 95% confidence limits for OR
 Relative risk = 2.38 (1.93 <RR< 2.93)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 69.16 0.0000000 ---
 Mantel-Haenszel: 69.15 0.0000000 ---
 Yates corrected: 68.15 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 169 | 1469 | 1638
+-----+-----+
-| 165 | 3132 | 3297
+-----+-----+
E 334 4601 4935
x
p
o
s
u

```

Analysis of Single Table

Odds ratio = 2.18 (1.74 <OR< 2.75)
 Cornfield 95% confidence limits for OR
 Relative risk = 2.06 (1.68 <RR< 2.53)
 Taylor Series 95% confidence limits for RR
 Ignore relative risk if case control study.

Chi-Squares P-values

Uncorrected : 48.95 0.0000000 ---
 Mantel-Haenszel: 48.94 0.0000000 ---
 Yates corrected: 48.12 0.0000000 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.99 (1.59 <OR< 2.50)
+ 169 1827 1996	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.91 (1.55 <RR< 2.35)
- 165 3555 3720	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 334 5382 5716	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 38.37 0.0000000 ---
s	Mantel-Haenszel: 38.37 0.0000000 ---
u	Yates corrected: 37.64 0.0000000 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 3.56 (2.87 <OR< 4.43)
+ 169 2421 2590	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 3.40 (2.77 <RR< 4.16)
- 187 9548 9735	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 356 11969 12325	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 154.60 0.0000000 ---
s	Mantel-Haenszel: 154.59 0.0000000 ---
u	Yates corrected: 152.97 0.0000000 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 3.60 (2.89 <OR< 4.50)
+ 169 1469 1638	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 3.33 (2.73 <RR< 4.08)
- 187 5856 6043	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 356 7325 7681	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 152.11 0.0000000 ---
s	Mantel-Haenszel: 152.09 0.0000000 ---
u	Yates corrected: 150.48 0.0000000 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 3.86 (3.10 <OR< 4.81)
+ 169 1827 1996	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 3.62 (2.96 <RR< 4.43)
- 187 7804 7991	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 356 9631 9987	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 174.40 0.0000000 ---
s	Mantel-Haenszel: 174.38 0.0000000 ---
u	Yates corrected: 172.62 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 21 | 2421 | 2442
+-----+-----+
-| 147 | 30793 | 30940
+-----+-----+
E 168 33214 33382
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.82 (1.12 <OR< 2.93)
Cornfield 95% confidence limits for OR
Relative risk = 1.81 (1.15 <RR< 2.85)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.69 0.0096723 ---
Mantel-Haenszel: 6.69 0.0096734 ---
Yates corrected: 5.95 0.0147358 ---

```

```

+ Disease -
+-----+-----+
+| 21 | 1469 | 1490
+-----+-----+
-| 147 | 19726 | 19873
+-----+-----+
E 168 21195 21363
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.92 (1.18 <OR< 3.10)
Cornfield 95% confidence limits for OR
Relative risk = 1.91 (1.21 <RR< 3.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.97 0.0047622 ---
Mantel-Haenszel: 7.97 0.0047631 ---
Yates corrected: 7.13 0.0075704 ---

```

```

+ Disease -
+-----+-----+
+| 21 | 1827 | 1848
+-----+-----+
-| 147 | 23860 | 24007
+-----+-----+
E 168 25687 25855
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.87 (1.15 <OR< 3.01)
Cornfield 95% confidence limits for OR
Relative risk = 1.86 (1.18 <RR< 2.92)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.30 0.0068973 ---
Mantel-Haenszel: 7.30 0.0068984 ---
Yates corrected: 6.51 0.0107250 ---

```

```

+ Disease -
+-----+-----+
+| 74 | 2421 | 2495
+-----+-----+
-| 458 | 30793 | 31251
+-----+-----+
E 532 33214 33746
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.06 (1.59 <OR< 2.65)
Cornfield 95% confidence limits for OR
Relative risk = 2.02 (1.59 <RR< 2.58)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 33.52 0.0000000 ---
Mantel-Haenszel: 33.52 0.0000000 ---
Yates corrected: 32.56 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  74 | 1469 | 1543   Odds ratio = 2.17 (1.67 <OR< 2.81)
+-----+-----+
-| 458 | 19726 | 20184  Cornfield 95% confidence limits for OR
+-----+-----+
                          Relative risk = 2.11 (1.66 <RR< 2.69)
-| 458 | 19726 | 20184  Taylor Series 95% confidence limits for RR
+-----+-----+
                          Ignore relative risk if case control study.
E  532  21195  21727
x
x           Chi-Squares  P-values
p           -----  -----
o           Uncorrected : 38.31  0.0000000 ---
s           Mantel-Haenszel: 38.31  0.0000000 ---
u           Yates corrected: 37.26  0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  74 | 1827 | 1901   Odds ratio = 2.11 (1.63 <OR< 2.73)
+-----+-----+
-| 458 | 23860 | 24318  Cornfield 95% confidence limits for OR
+-----+-----+
                          Relative risk = 2.07 (1.62 <RR< 2.63)
-| 458 | 23860 | 24318  Taylor Series 95% confidence limits for RR
+-----+-----+
                          Ignore relative risk if case control study.
E  532  25687  26219
x
x           Chi-Squares  P-values
p           -----  -----
o           Uncorrected : 35.81  0.0000000 ---
s           Mantel-Haenszel: 35.81  0.0000000 ---
u           Yates corrected: 34.81  0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 169 | 2421 | 2590   Odds ratio = 1.96 (1.65 <OR< 2.33)
+-----+-----+
-| 1095 | 30793 | 31888  Cornfield 95% confidence limits for OR
+-----+-----+
                          Relative risk = 1.90 (1.62 <RR< 2.22)
-| 1095 | 30793 | 31888  Taylor Series 95% confidence limits for RR
+-----+-----+
                          Ignore relative risk if case control study.
E 1264  33214  34478
x
x           Chi-Squares  P-values
p           -----  -----
o           Uncorrected : 64.81  0.0000000 ---
s           Mantel-Haenszel: 64.81  0.0000000 ---
u           Yates corrected: 63.94  0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 169 | 1469 | 1638   Odds ratio = 2.07 (1.74 <OR< 2.47)
+-----+-----+
-| 1095 | 19726 | 20821  Cornfield 95% confidence limits for OR
+-----+-----+
                          Relative risk = 1.96 (1.68 <RR< 2.29)
-| 1095 | 19726 | 20821  Taylor Series 95% confidence limits for RR
+-----+-----+
                          Ignore relative risk if case control study.
E 1264  21195  22459
x
x           Chi-Squares  P-values
p           -----  -----
o           Uncorrected : 73.15  0.0000000 ---
s           Mantel-Haenszel: 73.15  0.0000000 ---
u           Yates corrected: 72.21  0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 169 | 1827 | 1996
+-----+-----+
-| 1095 | 23860 | 24955
+-----+-----+
E 1264 25687 26951
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.02 (1.70 <OR< 2.39)
Cornfield 95% confidence limits for OR
Relative risk = 1.93 (1.65 <RR< 2.25)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 68.79 0.0000000 ---
Mantel-Haenszel: 68.79 0.0000000 ---
Yates corrected: 67.88 0.0000000 ---

```

Aggregate OR for Pattern Analysis 4

```

+ Disease -
+-----+-----+
+| 74 | 5717 | 5791
+-----+-----+
-| 873 | 173680 | 174553
+-----+-----+
E 947 179397 180344
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.58 (2.01 <OR< 3.29)
Cornfield 95% confidence limits for OR
Relative risk = 2.56 (2.02 <RR< 3.23)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 64.90 0.0000000 ---
Mantel-Haenszel: 64.90 0.0000000 ---
Yates corrected: 63.42 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 21 | 5717 | 5738
+-----+-----+
-| 389 | 173680 | 174069
+-----+-----+
E 410 179397 179807
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.64 (1.03 <OR< 2.59)
Cornfield 95% confidence limits for OR
Relative risk = 1.64 (1.06 <RR< 2.54)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 4.96 0.0259612 ---
Mantel-Haenszel: 4.96 0.0259616 ---
Yates corrected: 4.35 0.0369657 ---

```

APPENDIX J

LOMPOC AND COMPARISON COUNTY HOSPITAL DISCHARGES: 1991-1994,
ALL AGES

Panel 1. **Age**, Lompoc versus Santa Barbara County minus Lompoc (in percentages)

AREA	<5 yrs	5-24 yrs	25-59 yrs	60+ yrs	Total %	Total N
Lompoc	21.0 %	12.6 %	35.5 %	30.9 %	100.0%	21,145
Santa Barbara-Lompoc	19.1 %	11.8 %	32.6 %	36.5 %	100.0%	133,383

Chi-square = 247.51, df = 3, p < 0.001

Panel 2. **Age**, Lompoc versus Ventura County (in percentages)

AREA	< 5 yrs	5-24 yrs	25-59 yrs	60+ yrs	Total %	Total N
Lompoc	21.0 %	12.6 %	35.5 %	30.9 %	100.0%	21,145
Ventura County	20.1 %	13.0 %	37.0 %	29.9 %	100.0%	291,790

Chi-square = 27.45, df = 3, p < 0.001

Panel 3. **Age**, Lompoc versus San Luis Obispo County (in percentages)

AREA	< 5 yrs	5-24 yrs	25-59 yrs	60+ yrs	Total %	Total N
Lompoc	21.0 %	12.6 %	35.5 %	30.9 %	100.0%	21,145
San Luis Obispo	15.2 %	11.0 %	34.0 %	39.8 %	100.0%	90,697

Chi-square = 414.57, df = 1, p < 0.001

Panel 4. **Age**, Lompoc versus Mendocino County (in percentages)

AREA	< 5 yrs	5-24 yrs	25-59 yrs	60+ yrs	Total %	Total N
Lompoc	21.0 %	12.6 %	35.5 %	30.9 %	100.0 %	21,145
Mendocino County	13.6 %	11.7 %	34.1 %	40.6 %	100.0%	41,180

Chi-square = 850.66, df = 3, p < 0.001

Panel 5. **Age**, Lompoc versus Humboldt & Del Norte Counties (in percentages)

AREA	< 5 yrs	5-24 yrs	25-59 yrs	60+ yrs	Total %	Total N
Lompoc	21.0 %	12.6 %	35.5 %	30.9 %	100.0%	21,145
Humboldt+Del Norte	14.2 %	12.1 %	37.4 %	36.3 %	100.0%	69,095

Chi-square = 628.58, df = 3, p < 0.001

Panel 6. **Sex**, Lompoc versus Santa Barbara County minus Lompoc (in percentages)

AREA	Males	Females	Total
Lompoc	42.0 %	58.0 %	21,141
Santa Barbara- Lompoc	39.4 %	60.6 %	133,383

Chi-square = 53.44, df = 1, p < 0.001 (N.B., 7 NA on sex)

Panel 7. **Sex**, Lompoc versus Ventura County (in percentages)

AREA	Males	Females	Total
Lompoc	42.0 %	58.0 %	21,141
Ventura County	38.9 %	61.1 %	291,770

Chi-square = 81.05, df = 1, p < 0.001

Panel 8. **Sex**, Lompoc versus San Luis Obispo (in percentages)

AREA	Males	Females	Total %	Total N
Lompoc	42.0 %	58.0 %	100.0%	21,141
San Luis Obispo Co.	42.1 %	57.9 %	100.0%	90,694

Chi-square = 0.02, df = 1, p = 0.881994, NS

Panel 9. **Sex**, Lompoc versus Mendocino County (in percentages)

AREA	Males	Females	Total %	Total N
Lompoc	42.0 %	58.0 %	100.0%	21,141
Mendocino County	41.5 %	58.5 %	100.0%	41,177

Chi-square = 1.25, df = 1, p = 0.263760, NS

Panel 10. **Sex**, Lompoc versus Humboldt & Del Norte Counties (in percentages)

AREA	Males	Females	Total %	Total N
Lompoc	42.0	58.0	100.0%	21,141
Humboldt& Del Norte	42.7 %	57.3 %	100.0%	69,095

Chi-square = 3.26, df = 1, p = 0.070801, NS

Panel 11. **Race/ethnicity**, Lompoc versus Santa Barbara County minus Lompoc (in percentages)

AREA	White	Hispanic	Other	Total %	Total N
Lompoc	70.1 %	18.6 %	11.3 %	100.0%	21,145
Santa Barbara-Lompoc	66.2 %	25.2 %	8.6 %	100.0%	133,383

Chi-square = 519.12, df = 2, p < 0.001

Panel 12. **Race**, Lompoc versus Ventura County (in percentages)

AREA	White	Hispanic	Other	Total %	Total N
Lompoc	70.1 %	18.6 %	11.3 %	100.0%	21,145
Ventura County	67.4 %	25.4 %	7.2 %	100.0%	291,790

Chi-square = 830.99, df = 2, p < 0.001

Panel 13. **Race**, Lompoc versus San Luis Obispo County (in percentages)

AREA	White	Hispanic	Other	Total %	Total N
Lompoc	70.1 %	18.6 %	11.3 %	100.0%	21,145
San Luis Obispo Co.	87.4 %	9.4 %	3.2 %	100.0%	90,697

Chi-square = 4327.81, df = 2, p < 0.001

Panel 14. **Race**, Lompoc versus Mendocino County (in percentages)

AREA	White	Hispanic	Other	Total %	Total N
Lompoc	70.1 %	18.6 %	11.3 %	100.0%	21,145
Mendocino County	87.4 %	7.9 %	4.7 %	100.0%	41,180

Chi-square = 2756.01, df = 2, p < 0.001

Panel 15. **Race**, Lompoc versus Humboldt+Del Norte Counties (in percentages)

AREA	White	Hispanic	Other	Total %	Total N
Lompoc	70.1 %	18.6 %	11.3 %	100.0%	21,145
Humboldt+Del Norte	90.9 %	2.5 %	6.6 %	100.0%	69,095

Chi-square = 7917.05, df = 2, p < 0.001

Panel 16. **Admission quarter**, Lompoc versus Santa Barbara County, in percentages)

AREA	Q1	Q2	Q3	Q4	Total %	Total N
Lompoc	25.9 %	24.6 %	24.8 %	24.7 %	100.0%	21,145
Santa Barbara- Lompoc	24.7 %	25.0 %	24.9 %	25.4 %	100.0%	133,383

Chi-square = 14.08, df = 3, p < 0.01

Panel 17. **Admission quarter**, Lompoc versus Ventura County (in percentages)

AREA	Q1	Q2	Q3	Q4	Total %	Total N
Lompoc	25.9 %	24.6 %	24.8 %	24.7 %	100.0%	21,145
Ventura County	25.2 %	24.8 %	24.9%	25.1 %	100.0%	291,790

Chi-square = 5.09, df = 3, p = 0.165460, NS

Panel 18. **Admission quarter**, Lompoc versus San Luis Obispo County (in percentages)

AREA	Q1	Q2	Q3	Q4	Total %	Total N
Lompoc	25.9 %	24.6 %	24.8 %	24.7 %	100.0%	21,145
San Luis Obispo Co.	25.3 %	25.0 %	24.9 %	24.8 %	100.0%	90,697

Chi-square = 4.32, df = 3, p = 0.229113, NS

Panel 19. **Admission quarter**, Lompoc versus Mendocino County (in percentages)

AREA	Q1	Q2	Q3	Q4	Total %	Total N
Lompoc	25.9 %	24.6 %	24.8 %	24.7 %	100.0%	21,145
Mendocino County	25.8 %	25.3 %	24.0 %	24.9 %	100.0%	41,180

Chi-square = 6.59, df = 3, p = 0.086364, NS

Panel 20. **Admission quarter**, Lompoc versus Humboldt+Del Norte Counties (in percentages)

AREA	Q1	Q2	Q3	Q4	Total %	Total N
Lompoc	25.9 %	24.6 %	24.8 %	24.7 %	100.0%	21,145
Humboldt+Del Norte	25.3 %	25.3 %	24.6 %	24.8 %	100.0%	69,095

Chi-square = 5.37, df = 3, p = 0.146368, NS

Panel 21. **Admission year**, Lompoc versus Santa Barbara County, in percentages)

AREA	1991	1992	1993	1994	Total %	Total N
Lompoc	26.5 %	26.2 %	24.2 %	23.1 %	100.0%	21,145
Santa Barbara- Lompoc	24.6 %	25.2 %	25.5 %	24.7 %	100.0%	133,383

Chi-square = 65.22, df = 3, p < 0.001

Panel 22. **Admission year**, Lompoc versus Ventura County (in percentages)

AREA	1991	1992	1993	1994	Total %	Total N
Lompoc	26.5 %	26.2 %	24.2 %	23.1 %	100.0%	21,145
Ventura County	25.8 %	25.2 %	24.4 %	24.6 %	100.0%	291,790

Chi-square = 30.40, df = 3, p < 0.001

Panel 23. **Admission year**, Lompoc versus San Luis Obispo County (in percentages)

AREA	1991	1992	1993	1994	Total %	Total N
Lompoc	26.5 %	26.2 %	24.2 %	23.1 %	100.0%	21,145
San Luis Obispo Co.	25.7 %	24.8 %	24.5 %	25.0 %	100.0%	90,697

Chi-square = 43.81, df = 3, p < 0.001

Panel 24. **Admission year**, Lompoc versus Mendocino County (in percentages)

AREA	1991	1992	1993	1994	Total %	Total N
Lompoc	26.5 %	26.2 %	24.2 %	23.1 %	100.0%	21,145
Mendocino County	24.9 %	24.7 %	25.2 %	25.2 %	100.0%	41,180

Chi-square = 57.45, df = 3, p < 0.001

Panel 25. **Admission year**, Lompoc versus Humboldt+Del Norte Counties (in percentages)

AREA	1991	1992	1993	1994	Total %	Total N
Lompoc	26.5 %	26.2 %	24.2 %	23.1 %	100.0%	21,145
Humboldt+Del Norte	25.9 %	24.8 %	25.0 %	24.3 %	100.0%	69,095

Chi-square = 28.27, df = 3, p < 0.001

Panel 26. **Births by Sex**, Lompoc versus Santa Barbara County minus Lompoc (in percentages)

AREA	Males	Females	Total %	Total N
Lompoc	51.0 %	49.0 %	100.0 %	3,361
Santa Barbara- Lompoc	50.9 %	49.1 %	100.0 %	21,444

Chi-square = 0.01, df = 1, p = 0.918468, NS

Panel 27. **Births by Sex**, Lompoc versus Ventura County (in percentages)

AREA	Males	Females	Total %	Total N
Lompoc	51.0 %	49.0 %	100.0 %	3,361
Ventura County	50.6 %	49.4 %	100.0 %	48,859

Chi-square = 0.14, df = 1, p = 0.0710046, NS

Panel 28. **Births by Sex**, Lompoc versus San Luis Obispo (in percentages)

AREA	Males	Females	Total %	Total N
Lompoc	51.0 %	49.0 %	100.0 %	3,361
San Luis Obispo Co.	51.4 %	48.6 %	100.0 %	10,733

Chi-square = 0.15, df = 1, p = 0.694038, NS

Panel 29. **Births by Sex**, Lompoc versus Mendocino County (in percentages)

AREA	Males	Females	Total %	Total N
Lompoc	51.0 %	49.0 %	100.0 %	3,361
Mendocino County	51.3 %	48.7 %	100.0 %	4,427

Chi-square = 0.07 , df = 1, p = 0.786818, NS

Panel 30. **Births by Sex**, Lompoc versus Humboldt & Del Norte Counties (in percentages)

AREA	Males	Females	Total %	Total N
Lompoc	51.0 %	49.0 %	100.0 %	3,361
Humboldt& Del Norte	51.2 %	48.8 %	100.0 %	7,819

Chi-square = 0.04, df = 1, p = 0.843723, NS

Panel 31. **Births by Admission quarter**, Lompoc versus control counties¹ (in percentages)

AREA	Q1	Q2	Q3	Q4	Total %	Total N
Lompoc	24.5 %	24.6 %	26.4 %	24.5 %	100.0 %	3,361
Comparison counties	24.3 %	25.0 %	25.9 %	24.8 %	100.0 %	93287

Chi-square = 0.74, df = 3, p = 0.863775, NS

¹Santa Barbara County minus Lompoc, Ventura County, San Luis Obispo County, Mendocino County, and Humboldt + Del Norte Counties

APPENDIX K

STATISTICAL SUPPORT FOR PATTERN ANALYSIS 5: ICD-9-BASED
RESPIRATORY DISEASES, PROPORTIONAL MORBIDITY ANALYSIS METHOD;
1991-1994, BY AGE

Panel 1 – Definitions and summary

Disease Category	Areas					
	Lompoc	SB-Lom	SLO	Ventura	Mendo	Hum+Del N
I. Asthma						
All ages	299	828	747	3,095	413	671
< 5 years	76	161	191	685	86	124
5 - 24 years	47	184	183	770	70	156
25 -59 years	95	260	209	919	141	267
60 years and older	81	223	164	721	116	124
II. Bronchitis.						
All ages	287	861	747	2,554	383	626
< 5 years	109	213	157	791	76	137
5 - 24 years.	7	13	13	37	7	8
25 - 59 years	30	126	106	354	51	117
60 years and older	141	509	471	1372	249	364
III. Base (- births&del.)						
All ages	14,428	90,679	69,280	194,335	32,354	53,522
< 5 years	1,080	4,081	3,032	9,874	1,158	1,997
5 - 24 years	1,236	7,682	6,380	21,001	2,791	5,013
25 - 59 years	5,580	30,296	23,748	76,174	11,681	21,403
60 years and older	6,532	48,620	36,120	87,286	16,724	25,109

Age groupings: < 5; 5-24; 25-59; & 60+

Bronchitis and asthma data restricted to cases from six significant respiratory DRG's.

Order: SB-Lom; Ventura; SLO; Mendo; Humb+Del Norte

Panel 2 - Asthma < 5

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 76 | 1080 | 1156      Odds ratio = 1.78 (1.33 <OR< 2.38)
+-----+-----+      Cornfield 95% confidence limits for OR
-| 161 | 4081 | 4242      Relative risk = 1.73 (1.33 <RR< 2.26)
+-----+-----+      Taylor Series 95% confidence limits for RR
E 237  5161  5398      Ignore relative risk if case control study.
x
p
o                               Chi-Squares  P-values
s                               -----  -----
u                               Uncorrected : 16.71  0.0000435 ---
                               Mantel-Haenszel: 16.71  0.0000435 ---
                               Yates corrected: 16.06  0.0000614 ---
    
```

```

+ Disease -
+-----+-----+
+| 76 | 1080 | 1156
+-----+-----+
-| 685 | 9874 | 10559
+-----+-----+
E 761 10954 11715
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.01 (0.79 <OR< 1.30)
Cornfield 95% confidence limits for OR
Relative risk = 1.01 (0.81 <RR< 1.27)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 0.01 0.9092408
Mantel-Haenszel: 0.01 0.9092447
Yates corrected: 0.00 0.9592101

```

```

+ Disease -
+-----+-----+
+| 76 | 1080 | 1156
+-----+-----+
-| 191 | 3032 | 3223
+-----+-----+
E 267 4112 4379
Analysis of Single Table
Odds ratio = 1.12 (0.84 <OR< 1.48)
Cornfield 95% confidence limits for OR
Relative risk = 1.11 (0.86 <RR< 1.43)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

```

x
p
o
s
u
Chi-Squares P-values
-----
Uncorrected : 0.62 0.4293979
Mantel-Haenszel: 0.62 0.4294506
Yates corrected: 0.52 0.4723968

```

```

+ Disease -
+-----+-----+
+| 76 | 1080 | 1156
+-----+-----+
-| 86 | 1158 | 1244
+-----+-----+
E 162 2238 2400
Analysis of Single Table
Odds ratio = 0.95 (0.68 <OR< 1.32)
Cornfield 95% confidence limits for OR
Relative risk = 0.95 (0.71 <RR< 1.28)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

```

x
p
o
s
u
Chi-Squares P-values
-----
Uncorrected : 0.11 0.7409849
Mantel-Haenszel: 0.11 0.7410370
Yates corrected: 0.06 0.8032577

```

```

+ Disease -
+-----+-----+
+| 76 | 1080 | 1156
+-----+-----+
-| 124 | 1997 | 2121
+-----+-----+
E 200 3077 3277
Analysis of Single Table
Odds ratio = 1.13 (0.83 <OR< 1.54)
Cornfield 95% confidence limits for OR
Relative risk = 1.12 (0.85 <RR< 1.48)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

```

```

x
p
o
s
u
Chi-Squares P-values
-----
Uncorrected : 0.69 0.4054373
Mantel-Haenszel: 0.69 0.4055090
Yates corrected: 0.57 0.4498942

```

Panel 3 - Bronchitis < 5

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.93 (1.51 <OR< 2.48)
+ 109 1080 1189	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.85 (1.48 <RR< 2.31)
- 213 4081 4294	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 322 5161 5483	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 29.81 0.0000000 ---
s	Mantel-Haenszel: 29.81 0.0000000 ---
u	Yates corrected: 29.06 0.0000001 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.26 (1.02 <OR< 1.56)
+ 109 1080 1189	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.24 (1.02 <RR< 1.50)
- 791 9874 10665	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 900 10954 11854	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 4.67 0.0306476 ---
s	Mantel-Haenszel: 4.67 0.0306546 ---
u	Yates corrected: 4.43 0.0353869 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.95 (1.50 <OR< 2.53)
+ 109 1080 1189	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.86 (1.47 <RR< 2.36)
- 157 3032 3189	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 266 4112 4378	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 27.34 0.0000002 ---
s	Mantel-Haenszel: 27.33 0.0000002 ---
u	Yates corrected: 26.60 0.0000003 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.54 (1.12 <OR< 2.11)
+ 109 1080 1189	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.49 (1.12 <RR< 1.97)
- 76 1158 1234	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 185 2238 2423	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 7.77 0.0053064 ---
s	Mantel-Haenszel: 7.77 0.0053159 ---
u	Yates corrected: 7.35 0.0067019 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.47 (1.12 <OR< 1.93)
+ 109 1080 1189	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.43 (1.12 <RR< 1.82)
- 137 1997 2134	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 246 3077 3323	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 8.41 0.0037347 ---
s	Mantel-Haenszel: 8.41 0.0037399 ---
u	Yates corrected: 8.01 0.0046456 ---

Panel 4 - Asthma 5 - 24 years

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.59 (1.13 <OR< 2.22)
+ 47 1236 1283	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.57 (1.14 <RR< 2.15)
- 184 7682 7866	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 231 8918 9149	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 7.86 0.0050592 ---
s	Mantel-Haenszel: 7.86 0.0050616 ---
u	Yates corrected: 7.33 0.0067837 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.04 (0.76 <OR< 1.41)
+ 47 1236 1283	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.04 (0.78 <RR< 1.38)
- 770 21001 21771	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 817 22237 23054	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 0.06 0.8117955
s	Mantel-Haenszel: 0.06 0.8117995
u	Yates corrected: 0.03 0.8725532

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.32 (0.94 <OR< 1.85)
+ 47 1236 1283	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.31 (0.95 <RR< 1.79)
- 184 6380 6564	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 231 7616 7847	
x	Chi-Squares P-values
P	-----
o	Uncorrected : 2.78 0.0955116
s	Mantel-Haenszel: 2.78 0.0955328
u	Yates corrected: 2.49 0.1148600

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.52 (1.02 <OR< 2.24)
+ 47 1236 1283	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.50 (1.04 <RR< 2.15)
- 70 2791 2861	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 117 4027 4144	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 4.78 0.0288181 ---
s	Mantel-Haenszel: 4.78 0.0288374 ---
u	Yates corrected: 4.35 0.0371109 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.22 (0.86 <OR< 1.72)
+ 47 1236 1283	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.21 (0.88 <RR< 1.67)
- 156 5013 5169	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 203 6249 6452	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 1.40 0.2359614
s	Mantel-Haenszel: 1.40 0.2359977
u	Yates corrected: 1.20 0.2731651

Panel 5 - Bronchitis 5 - 24 years

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 3.35 (1.21 <OR< 8.99)
+ 7 1236 1243	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 3.33 (1.33 <RR< 8.34)
- 13 7682 7695	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 20 8918 8938	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 7.45 0.0063480 ---
s	Mantel-Haenszel: 7.45 0.0063510 ---
u	Yates corrected: 5.79 0.0161386 ---
r	Fisher exact: 1-tailed P-value: 0.0147102 --
e	2-tailed P-value: 0.0147102 --
	An expected cell value is less than 5.
	Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 7 | 1236 | 1243
+-----+-----+
-| 37 | 21001 | 21038
+-----+-----+
E 44 22237 22281
x
p
o
s
u
r
e
Analysis of Single Table
Odds ratio = 3.21 (1.31 <OR< 7.54*)
Cornfield 95% confidence limits for OR
*Cornfield not accurate. Exact limits preferred.
Relative risk = 3.20 (1.43 <RR< 7.17)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.93 0.0028026 ---
Mantel-Haenszel: 8.93 0.0028032 ---
Yates corrected: 7.07 0.0078177 ---
Fisher exact: 1-tailed P-value: 0.0103552 --
2-tailed P-value: 0.0103552 --

```

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 7 | 1236 | 1243
+-----+-----+
-| 13 | 6380 | 6393
+-----+-----+
E 20 7616 7636
x
p
o
s
u
r
e
Analysis of Single Table
Odds ratio = 2.78 (1.00 <OR< 7.46)
Cornfield 95% confidence limits for OR
Relative risk = 2.77 (1.11 <RR< 6.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.16 0.0231489 ---
Mantel-Haenszel: 5.16 0.0231579 ---
Yates corrected: 3.87 0.0491006 ---
Fisher exact: 1-tailed P-value: 0.0328866 --
2-tailed P-value: 0.0328866 --

```

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 7 | 1236 | 1243
+-----+-----+
-| 7 | 2791 | 2798
+-----+-----+
E 14 4027 4041
x
p
o
s
u
r
e
Analysis of Single Table
Odds ratio = 2.26 (0.71 <OR< 7.15)
Cornfield 95% confidence limits for OR
Relative risk = 2.25 (0.79 <RR< 6.40)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 2.44 0.1181376
Mantel-Haenszel: 2.44 0.1181831
Yates corrected: 1.62 0.2031678
Fisher exact: 1-tailed P-value: 0.1042723
2-tailed P-value: 0.1460471

```

An expected cell value is less than 5.
Fisher exact results recommended.

```

+ Disease -
+-----+-----+
+| 7 | 1236 | 1243
+-----+-----+
-| 8 | 5013 | 5021
+-----+-----+
E 15 6249 6264
x
P
o
s
u
r
e
Analysis of Single Table
Odds ratio = 3.55 (1.16 <OR< 10.76)
Cornfield 95% confidence limits for OR
Relative risk = 3.53 (1.28 <RR< 9.73)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.80 0.0091091 ---
Mantel-Haenszel: 6.80 0.0091146 ---
Yates corrected: 5.22 0.0223807 ---
Fisher exact: 1-tailed P-value: 0.0171934 --
2-tailed P-value: 0.0171934 --

```

An expected cell value is less than 5.
Fisher exact results recommended.

Panel 6 - Asthma 25 - 59 years

```

+ Disease -
+-----+-----+
+| 95 | 5580 | 5675
+-----+-----+
-| 260 | 30296 | 30556
+-----+-----+
E 355 35876 36231
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.98 (1.55 <OR< 2.53)
Cornfield 95% confidence limits for OR
Relative risk = 1.97 (1.56 <RR< 2.48)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 33.42 0.0000000 ---
Mantel-Haenszel: 33.42 0.0000000 ---
Yates corrected: 32.58 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 95 | 5580 | 5675
+-----+-----+
-| 919 | 76174 | 77093
+-----+-----+
E 1014 81754 82768
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.41 (1.13 <OR< 1.75)
Cornfield 95% confidence limits for OR
Relative risk = 1.40 (1.14 <RR< 1.73)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 10.15 0.0014463 ---
Mantel-Haenszel: 10.15 0.0014464 ---
Yates corrected: 9.75 0.0017918 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  95 | 5580 | 5675   Odds ratio = 1.93 (1.50 <OR< 2.49)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 209 | 23748 | 23957 Relative risk = 1.92 (1.51 <RR< 2.44)
+-----+-----+   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E 304 29328 29632
x
p
o
s
u
Chi-Squares P-values
-----
Uncorrected : 29.04 0.0000001 ---
Mantel-Haenszel: 29.03 0.0000001 ---
Yates corrected: 28.25 0.0000001 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  95 | 5580 | 5675   Odds ratio = 1.41 (1.08 <OR< 1.85)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 141 | 11681 | 11822 Relative risk = 1.40 (1.08 <RR< 1.82)
+-----+-----+   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E 236 17261 17497
x
p
o
s
u
Chi-Squares P-values
-----
Uncorrected : 6.68 0.0097729 ---
Mantel-Haenszel: 6.68 0.0097750 ---
Yates corrected: 6.32 0.0119451 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  95 | 5580 | 5675   Odds ratio = 1.36 (1.07 <OR< 1.74)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 267 | 21403 | 21670 Relative risk = 1.36 (1.08 <RR< 1.71)
+-----+-----+   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E 362 26983 27345
x
p
o
s
u
Chi-Squares P-values
-----
Uncorrected : 6.72 0.0095202 ---
Mantel-Haenszel: 6.72 0.0095215 ---
Yates corrected: 6.39 0.0114861 ---

```

Panel 7 - Bronchitis 25 - 59 years

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  30 | 5580 | 5610   Odds ratio = 1.29 (0.85 <OR< 1.96)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 126 | 30296 | 30422 Relative risk = 1.29 (0.87 <RR< 1.92)
+-----+-----+   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E 156 35876 36032
x
p
o
s
u
Chi-Squares P-values
-----
Uncorrected : 1.60 0.2062270
Mantel-Haenszel: 1.60 0.2062333
Yates corrected: 1.33 0.2487645

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.16 (0.78 <OR< 1.70)
+ 30 5580 5610	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.16 (0.80 <RR< 1.68)
- 354 76174 76528	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 384 81754 82138	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 0.59 0.4442501
s	Mantel-Haenszel: 0.59 0.4442528
u	Yates corrected: 0.44 0.5069138

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.20 (0.79 <OR< 1.84)
+ 30 5580 5610	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.20 (0.80 <RR< 1.80)
- 106 23748 23854	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 136 29328 29464	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 0.81 0.3688123
s	Mantel-Haenszel: 0.81 0.3688204
u	Yates corrected: 0.62 0.4299685

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.23 (0.76 <OR< 1.98)
+ 30 5580 5610	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.23 (0.78 <RR< 1.93)
- 51 11681 11732	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 81 17261 17342	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 0.82 0.3660020
s	Mantel-Haenszel: 0.82 0.3660158
u	Yates corrected: 0.62 0.4324816

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 0.98 (0.64 <OR< 1.49)
+ 30 5580 5610	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 0.98 (0.66 <RR< 1.47)
- 117 21403 21520	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 147 26983 27130	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 0.01 0.9353901
s	Mantel-Haenszel: 0.01 0.9353913
u	Yates corrected: 0.00 0.9832155

Panel 8 - Asthma 60 + years

```
+ Disease -
+-----+-----+
+| 81 | 6532 | 6613
+-----+-----+
-| 223 | 48620 | 48843
+-----+-----+
E 304 55152 55456
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.70 (2.08 <OR< 3.52)
Cornfield 95% confidence limits for OR
Relative risk = 2.68 (2.08 <RR< 3.45)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 63.06 0.0000000 ---
Mantel-Haenszel: 63.06 0.0000000 ---
Yates corrected: 61.66 0.0000000 ---
```

```
+ Disease -
+-----+-----+
+| 81 | 6532 | 6613
+-----+-----+
-| 721 | 87286 | 88007
+-----+-----+
E 802 93818 94620
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.50 (1.18 <OR< 1.90)
Cornfield 95% confidence limits for OR
Relative risk = 1.50 (1.19 <RR< 1.88)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 12.04 0.0005205 ---
Mantel-Haenszel: 12.04 0.0005206 ---
Yates corrected: 11.56 0.0006728 ---
```

```
+ Disease -
+-----+-----+
+| 81 | 6532 | 6613
+-----+-----+
-| 164 | 36120 | 36284
+-----+-----+
E 245 42652 42897
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.73 (2.07 <OR< 3.60)
Cornfield 95% confidence limits for OR
Relative risk = 2.71 (2.08 <RR< 3.53)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 58.84 0.0000000 ---
Mantel-Haenszel: 58.84 0.0000000 ---
Yates corrected: 57.48 0.0000000 ---
```

```
+ Disease -
+-----+-----+
+| 81 | 6532 | 6613
+-----+-----+
-| 116 | 16724 | 16840
+-----+-----+
E 197 23256 23453
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.79 (1.33 <OR< 2.40)
Cornfield 95% confidence limits for OR
Relative risk = 1.78 (1.34 <RR< 2.36)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 16.38 0.0000518 ---
Mantel-Haenszel: 16.38 0.0000519 ---
Yates corrected: 15.74 0.0000726 ---
```

```

+ Disease -
+-----+-----+
+| 81 | 6532 | 6613
+-----+-----+
-| 124 | 25109 | 25233
+-----+-----+
E 205 31641 31846
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.51 (1.88 <OR< 3.36)
Cornfield 95% confidence limits for OR
Relative risk = 2.49 (1.89 <RR< 3.29)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 44.07 0.0000000 ---
Mantel-Haenszel: 44.07 0.0000000 ---
Yates corrected: 42.93 0.0000000 ---

```

Panel 9 - Bronchitis 60 + years

```

+ Disease -
+-----+-----+
+| 141 | 6532 | 6673
+-----+-----+
-| 509 | 48620 | 49129
+-----+-----+
E 650 55152 55802
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.06 (1.70 <OR< 2.50)
Cornfield 95% confidence limits for OR
Relative risk = 2.04 (1.70 <RR< 2.45)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 59.19 0.0000000 ---
Mantel-Haenszel: 59.19 0.0000000 ---
Yates corrected: 58.25 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 141 | 6532 | 6673
+-----+-----+
-| 1372 | 87286 | 88658
+-----+-----+
E 1513 93818 95331
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.37 (1.15 <OR< 1.64)
Cornfield 95% confidence limits for OR
Relative risk = 1.37 (1.15 <RR< 1.62)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 12.70 0.0003647 ---
Mantel-Haenszel: 12.70 0.0003647 ---
Yates corrected: 12.35 0.0004421 ---

```

```

+ Disease -
+-----+-----+
+| 141 | 6532 | 6673
+-----+-----+
-| 471 | 36120 | 36591
+-----+-----+
E 612 42652 43264
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.66 (1.36 <OR< 2.01)
Cornfield 95% confidence limits for OR
Relative risk = 1.64 (1.36 <RR< 1.98)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 27.60 0.0000001 ---
Mantel-Haenszel: 27.60 0.0000001 ---
Yates corrected: 27.01 0.0000002 ---

```

```

+ Disease -
+-----+-----+
+| 141 | 6532 | 6673
+-----+-----+
-| 249 | 16724 | 16973
+-----+-----+
E 390 23256 23646
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.45 (1.17 <OR< 1.80)
Cornfield 95% confidence limits for OR
Relative risk = 1.44 (1.17 <RR< 1.77)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 12.32 0.0004479 ---
Mantel-Haenszel: 12.32 0.0004480 ---
Yates corrected: 11.93 0.0005536 ---

```

```

+ Disease -
+-----+-----+
+| 141 | 6532 | 6673
+-----+-----+
-| 364 | 25109 | 25473
+-----+-----+
E 505 31641 32146
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.49 (1.22 <OR< 1.82)
Cornfield 95% confidence limits for OR
Relative risk = 1.48 (1.22 <RR< 1.79)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 16.00 0.0000633 ---
Mantel-Haenszel: 16.00 0.0000633 ---
Yates corrected: 15.56 0.0000799 ---

```

Panel 10 – Asthma, all ages

```

+ Disease -
+-----+-----+
+| 299 | 14428 | 14727
+-----+-----+
-| 828 | 90679 | 91507
+-----+-----+
E 1127 105107 106234
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.27 (1.98 <OR< 2.60)
Cornfield 95% confidence limits for OR
Relative risk = 2.24 (1.97 <RR< 2.56)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 153.08 0.0000000 ---
Mantel-Haenszel: 153.08 0.0000000 ---
Yates corrected: 152.01 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 299 | 14428 | 14727
+-----+-----+
-| 747 | 69280 | 70027
+-----+-----+
E 1046 83708 84754
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.92 (1.67 <OR< 2.21)
Cornfield 95% confidence limits for OR
Relative risk = 1.90 (1.67 <RR< 2.17)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 92.68 0.0000000 ---
Mantel-Haenszel: 92.68 0.0000000 ---
Yates corrected: 91.89 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 299 |14428 |14727   Odds ratio = 1.30 (1.15 <OR< 1.47)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 3095 |194335 |197430  Relative risk = 1.30 (1.15 <RR< 1.46)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 3394 208763 212157   Ignore relative risk if case control study.
x                               Chi-Squares  P-values
p                               -----
o                               Uncorrected : 18.63 0.0000158 ---
s                               Mantel-Haenszel: 18.63 0.0000158 ---
u                               Yates corrected: 18.34 0.0000185 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 299 |14428 |14727   Odds ratio = 1.62 (1.39 <OR< 1.89)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 413 |32354 |32767   Relative risk = 1.61 (1.39 <RR< 1.87)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 712 46782 47494   Ignore relative risk if case control study.
x                               Chi-Squares  P-values
p                               -----
o                               Uncorrected : 40.78 0.0000000 ---
s                               Mantel-Haenszel: 40.78 0.0000000 ---
u                               Yates corrected: 40.26 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 299 |14428 |14727   Odds ratio = 1.65 (1.44 <OR< 1.90)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 671 |53522 |54193   Relative risk = 1.64 (1.43 <RR< 1.88)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 970 67950 68920   Ignore relative risk if case control study.
x                               Chi-Squares  P-values
p                               -----
o                               Uncorrected : 52.36 0.0000000 ---
s                               Mantel-Haenszel: 52.36 0.0000000 ---
u                               Yates corrected: 51.79 0.0000000 ---

```

Panel 11 – Bronchitis, all ages

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 287 |14428 |14715   Odds ratio = 2.09 (1.83 <OR< 2.40)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 861 |90679 |91540   Relative risk = 2.07 (1.82 <RR< 2.37)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 1148 105107 106255  Ignore relative risk if case control study.
x                               Chi-Squares  P-values
p                               -----
o                               Uncorrected : 120.96 0.0000000 ---
s                               Mantel-Haenszel: 120.96 0.0000000 ---
u                               Yates corrected: 120.01 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 287 | 14428 | 14715
+-----+-----+
-| 747 | 69280 | 70027
+-----+-----+
E 1034 83708 84742
x
P
o
s
u
r
Analysis of Single Table
Odds ratio = 1.84 (1.60 <OR< 2.12)
Cornfield 95% confidence limits for OR
Relative risk = 1.83 (1.60 <RR< 2.09)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 78.78 0.0000000 ---
Mantel-Haenszel: 78.78 0.0000000 ---
Yates corrected: 78.05 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 287 | 14428 | 14715
+-----+-----+
-| 2554 | 194335 | 196889
+-----+-----+
E 2841 208763 211604
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.51 (1.34 <OR< 1.72)
Cornfield 95% confidence limits for OR
Relative risk = 1.50 (1.33 <RR< 1.70)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 44.11 0.0000000 ---
Mantel-Haenszel: 44.11 0.0000000 ---
Yates corrected: 43.61 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 287 | 14428 | 14715
+-----+-----+
-| 383 | 32354 | 32737
+-----+-----+
E 670 46782 47452
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.68 (1.44 <OR< 1.97)
Cornfield 95% confidence limits for OR
Relative risk = 1.67 (1.43 <RR< 1.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 44.42 0.0000000 ---
Mantel-Haenszel: 44.42 0.0000000 ---
Yates corrected: 43.86 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 287 | 14428 | 14715
+-----+-----+
-| 626 | 53522 | 54148
+-----+-----+
E 913 67950 68863
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.70 (1.47 <OR< 1.96)
Cornfield 95% confidence limits for OR
Relative risk = 1.69 (1.47 <RR< 1.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 55.80 0.0000000 ---
Mantel-Haenszel: 55.80 0.0000000 ---
Yates corrected: 55.19 0.0000000 ---

```

Panel 12 – Asthma, all ages, aggregate comparison

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 299 |14428 |14727   Odds ratio = 1.59 (1.41 <OR< 1.79)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 5754 |440170 |445924   Relative risk = 1.57 (1.40 <RR< 1.77)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 6053 454598 460651   Ignore relative risk if case control study.
x                               Chi-Squares  P-values
p                               -----  -----
o                               Uncorrected : 60.19  0.0000000 ---
s                               Mantel-Haenszel: 60.19  0.0000000 ---
u                               Yates corrected: 59.62  0.0000000 ---
r

```

Panel 13 – Bronchitis, all ages, aggregate comparison

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 287 |14428 |14715   Odds ratio = 1.69 (1.50 <OR< 1.91)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 5171 |440170 |445341   Relative risk = 1.68 (1.49 <RR< 1.89)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 5458 454598 460056   Ignore relative risk if case control study.
x                               Chi-Squares  P-values
p                               -----  -----
o                               Uncorrected : 75.69  0.0000000 ---
s                               Mantel-Haenszel: 75.69  0.0000000 ---
u                               Yates corrected: 75.02  0.0000000 ---

```

Panel 14 – Age-adjusted OR's

AGE in groups	Branch in SB-Lom (A)	Total disch in SB-Lom (B)	Proportion A/B (C)	Branch in Lompoc (D)	Total disch in Lompoc (E)	Expected disch in Lompoc (F)
<1 year	170	2500	0.068	79	595	40.46
1-4	43	1581	0.02719798	30	485	13.19101834
5-14	7	2251	0.00310973	5	499	1.551754776
15-24	6	5431	0.00110477	2	737	0.814214693
25-34	19	8242	0.00230527	3	1531	3.529361805
35-44	12	9206	0.0013035	7	1559	2.032152944
45-54	47	8208	0.00572612	9	1412	8.085282651
55-59	48	4640	0.01034483	11	1078	11.15172414
60-64	40	5792	0.00690608	13	1201	8.294198895
65-69	93	8097	0.01148574	46	1451	16.66580215
70-74	106	9259	0.01144832	18	1546	17.69910357
75-79	84	9252	0.00907912	27	1089	9.887159533
80-84	96	7751	0.0123855	14	679	8.40975358
85+ years	90	8469	0.01062699	23	566	6.01487779
TOTAL	861	90679		287	14428	147.79

RATIO Obs/Expected= 1.94
s.e = 0.04235799 log of ratio = 0.66371419
95% CI Lower = 1.79 Upper = 2.11
99% CI Lower = 1.74 Upper = 2.17
99.9% CI Lower = 1.69 Upper = 2.23

AGE in groups	Branch in Ventura (A)	Total disch in Ventura (B)	Proportion A/B (C)	Branch in Lompoc (D)	Total disch in Lompoc (E)	Expected disch in Lompoc (F)
<1 year	604	5393	0.11199703	79	595	66.63823475
1-4	187	4481	0.04173176	30	485	20.23990181
5-14	23	6705	0.00343028	5	499	1.711707681
15-24	14	14296	0.00097929	2	737	0.721740347
25-34	44	20157	0.00218286	3	1531	3.34196557
35-44	56	23605	0.00237238	7	1559	3.698538445
45-54	110	21763	0.00505445	9	1412	7.136883702
55-59	144	10649	0.0135224	11	1078	14.57714339
60-64	173	12578	0.01375417	13	1201	16.51876292
65-69	289	16068	0.01798606	46	1451	26.09777197
70-74	266	16978	0.01566733	18	1546	24.22169867
75-79	261	16284	0.016028	27	1089	17.45449521
80-84	199	13253	0.01501547	14	679	10.19550291
85+ years	184	12125	0.01517526	23	566	8.589195876
TOTAL	2554	194335		287	14428	221.14

RATIO Obs/Expected= 1.30
s.e = 0.05181497 log of ratio = 0.26067021
95% CI Lower = 1.17 Upper = 1.44
99% CI Lower = 1.14 Upper = 1.48
99.9% CI Lower = 1.09 Upper = 1.54

AGE in groups	Bronch in SLO (A)	Total disch in SLO (B)	Proportion A/B (C)	Bronch in Lompoc (D)	Total disch in Lompoc (E)	Expected disch in Lompoc (F)
<1 year	119	1620	0.07345679	79	595	43.70679012
1-4	38	1412	0.02691218	30	485	13.05240793
5-14	6	1962	0.0030581	5	499	1.525993884
15-24	7	4418	0.00158443	2	737	1.167722952
25-34	17	6119	0.00277823	3	1531	4.25347279
35-44	22	7646	0.00287732	7	1559	4.48574418
45-54	31	6676	0.0046435	9	1412	6.556620731
55-59	36	3307	0.010886	11	1078	11.73510735
60-64	39	4238	0.00920245	13	1201	11.05214724
65-69	85	6656	0.01277043	46	1451	18.52989784
70-74	90	7797	0.0115429	18	1546	17.84532513
75-79	107	7175	0.01491289	27	1089	16.24013937
80-84	95	5470	0.01736746	14	679	11.79250457
85+ years	55	4784	0.01149666	23	566	6.507107023
TOTAL	747	69280		287	14428	168.45

RATIO Obs/Expected=

1.70

s.e = 0.04522253

log of ratio = 0.53283742

95% CI Lower = 1.56 Upper = 1.86

99% CI Lower = 1.52 Upper = 1.91

99.9% CI Lower = 1.47 Upper = 1.98

AGE in groups	Bronch in Mendo (A)	Total disch in Mendo (B)	Proportion A/B (C)	Bronch in Lompoc (D)	Total disch in Lompoc (E)	Expected disch in Lompoc (F)
<1 year	56	640	0.0875	79	595	52.0625
1-4	20	518	0.03861004	30	485	18.72586873
5-14	1	858	0.0011655	5	499	0.581585082
15-24	6	1933	0.00310398	2	737	2.287635799
25-34	3	2544	0.00117925	3	1531	1.805424528
35-44	7	3810	0.00183727	7	1559	2.864304462
45-54	25	3656	0.00683807	9	1412	9.65536105
55-59	16	1671	0.0095751	11	1078	10.3219629
60-64	34	2158	0.01575533	13	1201	18.92215014
65-69	48	3287	0.01460298	46	1451	21.18892607
70-74	59	3533	0.01669969	18	1546	25.81771865
75-79	48	3056	0.01570681	27	1089	17.10471204
80-84	29	2449	0.01184157	14	679	8.040424663
85+ years	31	2241	0.01383311	23	566	7.829540384
TOTAL	383	32354		287	14428	197.21

RATIO Obs/Expected=

1.46

s.e = 0.04893059

log of ratio = 0.37522263

95% CI Lower = 1.32 Upper = 1.60

99% CI Lower = 1.28 Upper = 1.65

99.9% CI Lower = 1.24 Upper = 1.71

AGE in groups	Bronch in Hum+Del N (A)	Total disch inHumb+DN (B)	Proportion A/B (C)	Bronch in Lompoc (D)	Total disch in Lompoc (E)	Expected disch in Lompoc (F)
<1 year	114	991	0.11503532	79	595	68.44601413
1-4	23	1006	0.02286282	30	485	11.08846918
5-14	5	1498	0.00333778	5	499	1.665554072
15-24	3	3515	0.00085349	2	737	0.629018492
25-34	12	5212	0.00230238	3	1531	3.524942441
35-44	19	7106	0.0026738	7	1559	4.168449198
45-54	51	6180	0.00825243	9	1412	11.65242718
55-59	35	2905	0.01204819	11	1078	12.98795181
60-64	52	3555	0.01462729	13	1201	17.5673699
65-69	69	4881	0.01413645	46	1451	20.51198525
70-74	78	4983	0.01565322	18	1546	24.19987959
75-79	73	4775	0.01528796	27	1089	16.64858639
80-84	56	3679	0.01522153	14	679	10.33541723
85+ years	36	3236	0.01112485	23	566	6.296662546
TOTAL	626	53522		287	14428	209.72

RATIO Obs/Expected= 1.37

s.e = 0.05045926 log of ratio = 0.3136959

95% CI Lower = 1.24 Upper = 1.51

99% CI Lower = 1.20 Upper = 1.56

99.9% CI Lower = 1.16 Upper = 1.62

AGE in groups	Asthma in SB-Lom (A)	Total disch in SB-Lom (B)	Proportion A/B (C)	Asthma in Lompoc (D)	Total disch in Lompoc (E)	Expected disch in Lompoc (F)
<1 year	35	2500	0.014	11	595	8.33
1-4	126	1581	0.07969639	65	485	38.65275142
5-14	102	2251	0.04531319	37	499	22.61128387
15-24	82	5431	0.01509851	10	737	11.12760081
25-34	84	8242	0.0101917	24	1531	15.6034943
35-44	70	9206	0.00760374	26	1559	11.85422551
45-54	69	8208	0.00840643	35	1412	11.86988304
55-59	37	4640	0.00797414	10	1078	8.59612069
60-64	28	5792	0.00483425	16	1201	5.805939227
65-69	62	8097	0.00765716	28	1451	11.11053477
70-74	35	9259	0.00378011	21	1546	5.844043633
75-79	39	9252	0.0042153	6	1089	4.590466926
80-84	24	7751	0.00309637	8	679	2.102438395
85+ years	35	8469	0.00413272	2	566	2.33911914
TOTAL	828	90679		299	14428	160.44

RATIO Obs/Expected= 1.86

s.e = 0.04236257 log of ratio = 0.62253661

95% CI Lower = 1.72 Upper = 2.02

99% CI Lower = 1.67 Upper = 2.08

99.9% CI Lower = 1.62 Upper = 2.14

AGE in groups	Asthma in Ventura (A)	Total disch in Ventura (B)	Proportion A/B (C)	Asthma in Lompoc (D)	Total disch in Lompoc (E)	Expected disch in Lompoc (F)
<1 year	114	5393	0.02113851	11	595	12.57741517
1-4	571	4481	0.12742691	65	485	61.80205311
5-14	517	6705	0.07710664	37	499	38.47621178
15-24	253	14296	0.01769726	10	737	13.04287913
25-34	210	20157	0.01041822	24	1531	15.95029022
35-44	277	23605	0.0117348	26	1559	18.29455624
45-54	281	21763	0.01291182	35	1412	18.23149382
55-59	151	10649	0.01417974	10	1078	15.28575453
60-64	139	12578	0.01105104	16	1201	13.27230084
65-69	156	16068	0.00970874	28	1451	14.08737864
70-74	146	16978	0.00859936	21	1546	13.29461656
75-79	136	16284	0.00835176	6	1089	9.095062638
80-84	81	13253	0.00611182	8	679	4.149928318
85+ years	63	12125	0.00519588	2	566	2.940865979
TOTAL	3095	194335		299	14428	250.50

RATIO Obs/Expected= 1.19

s.e = 0.05293384

log of ratio = 0.17698143

95% CI Lower = 1.08 Upper = 1.32

99% CI Lower = 1.04 Upper = 1.37

99.9% CI Lower = 1.00 Upper = 1.42

AGE in groups	Asthma in SLO (A)	Total disch in SLO (B)	Proportion A/B (C)	Asthma+E23 3 in Lompoc (D)	Total disch in Lompoc (E)	Expected disch in Lompoc (F)
<1 year	25	1620	0.0154321	11	595	9.182098765
1-4	166	1412	0.11756374	65	485	57.0184136
5-14	128	1962	0.06523955	37	499	32.55453619
15-24	55	4418	0.01244907	10	737	9.174966048
25-34	63	6119	0.0102958	24	1531	15.76286975
35-44	52	7646	0.00680094	26	1559	10.60266806
45-54	76	6676	0.01138406	35	1412	16.07429599
55-59	18	3307	0.005443	10	1078	5.867553674
60-64	28	4238	0.00660689	16	1201	7.934874941
65-69	32	6656	0.00480769	28	1451	6.975961538
70-74	38	7797	0.00487367	21	1546	7.534692831
75-79	24	7175	0.00334495	6	1089	3.642648084
80-84	26	5470	0.0047532	8	679	3.227422303
85+ years	16	4784	0.00334448	2	566	1.892976589
TOTAL	747	69280		299	14428	187.45

RATIO Obs/Expected= 1.60

s.e = 0.0457896

log of ratio = 0.46695288

95% CI Lower = 1.46 Upper = 1.74

99%CI Lower = 1.42 Upper = 1.80

99.9% CI Lower = 1.37 Upper = 1.86

AGE in groups	Asthma in Mendo (A)	Total disch in Mendo (B)	Proportion A/B (C)	Asthma in Lompoc (D)	Total disch in Lompoc (E)	Expected disch in Lompoc (F)
<1 year	9	640	0.0140625	11	595	8.3671875
1-4	77	518	0.14864865	66	485	72.09459459
5-14	42	858	0.04895105	37	499	24.42657343
15-24	28	1933	0.01448526	10	737	10.67563373
25-34	17	2544	0.00668239	24	1531	10.23073899
35-44	58	3810	0.0152231	26	1559	23.7328084
45-54	49	3656	0.01340263	35	1412	18.92450766
55-59	17	1671	0.01017355	10	1078	10.96708558
60-64	11	2158	0.00509731	16	1201	6.121872104
65-69	28	3287	0.00851841	28	1451	12.36020688
70-74	25	3533	0.00707614	21	1546	10.93971129
75-79	27	3056	0.00883508	6	1089	9.621400524
80-84	16	2449	0.00653328	8	679	4.436096366
85+ years	9	2241	0.00401606	2	566	2.273092369
TOTAL	413	32354		300	14428	225.17

RATIO Obs/Expected= 1.33

s.e = 0.05001905 log of ratio = 0.2869201

95% CI Lower = 1.21 Upper = 1.47

99% CI Lower = 1.17 Upper = 1.52

99.9% CI Lower = 1.13 Upper = 1.57

AGE in groups	Asthma in Hum+Del N (A)	Total disch in Humb+DN (B)	Proportion A/B (C)	Asthma+E25 2 in Lompoc (D)	Total disch in Lompoc (E)	Expected disch in Lompoc (F)
<1 year	17	991	0.01715439	11	595	10.20686176
1-4	107	1006	0.10636183	66	485	51.58548708
5-14	103	1498	0.06875834	37	499	34.31041389
15-24	53	3515	0.01507824	10	737	11.11266003
25-34	79	5212	0.01515733	24	1531	23.20587107
35-44	94	7106	0.01322826	26	1559	20.62285393
45-54	62	6180	0.01003236	35	1412	14.16569579
55-59	32	2905	0.01101549	10	1078	11.8746988
60-64	28	3555	0.00787623	16	1201	9.459353024
65-69	33	4881	0.00676091	28	1451	9.810079902
70-74	28	4983	0.0056191	21	1546	8.687136263
75-79	21	4775	0.00439791	6	1089	4.789319372
80-84	7	3679	0.00190269	8	679	1.291927154
85+ years	7	3236	0.00216316	2	566	1.224351051
TOTAL	671	53522		300	14428	212.35

RATIO Obs/Expected= 1.41

s.e = 0.04857374 log of ratio = 0.34556212

95% CI Lower = 1.28 Upper = 1.55

99% CI Lower = 1.25 Upper = 1.60

99.9% CI Lower = 1.20 Upper = 1.66

AGE in groups	Bronch in Aggregate (A)	Total disch in Aggregate (B)	Proportion A/B (C)	Bronch in Lompoc (D)	Total disch in Lompoc (E)	Expected disch in Lompoc (F)
<1 year	1063	11144	0.09538765	79	595	56.75565327
1-4	311	8998	0.03456324	30	485	16.76316959
5-14	42	13274	0.00316408	5	499	1.578875998
15-24	36	29593	0.0012165	2	737	0.896563376
25-34	95	42274	0.00224724	3	1531	3.440530823
35-44	116	51373	0.002258	7	1559	3.520214899
45-54	264	46483	0.0056795	9	1412	8.01944797
55-59	279	23172	0.01204039	11	1078	12.97954428
60-64	338	28321	0.01193461	13	1201	14.3334628
65-69	584	38989	0.01497858	46	1451	21.73392495
70-74	599	42550	0.01407756	18	1546	21.76390129
75-79	573	40542	0.01413349	27	1089	15.39137191
80-84	475	32602	0.01456966	14	679	9.892797988
85+ years	396	30855	0.01283422	23	566	7.264171123
TOTAL	5171	440170		287	14428	194.33

RATIO Obs/Expected=

1.48

s.e = 0.04857268

log of ratio = 0.38990579

95% CI Lower = 1.34 Upper = 1.62

99% CI Lower = 1.30 Upper = 1.67

99.9% CI Lower = 1.26 Upper = 1.73

AGE in groups	Asthma in Aggregate (A)	Total disch in Aggregate (B)	Proportion A/B (C)	Asthma in Lompoc (D)	Total disch in Lompoc (E)	Expected disch in Lompoc (F)
<1 year	200	11144	0.01794688	11	595	10.67839196
1-4	1047	8998	0.11635919	65	485	56.4342076
5-14	892	13274	0.06719904	37	499	33.53231882
15-24	471	29593	0.01591593	10	737	11.73003751
25-34	453	42274	0.01071581	24	1531	16.40589961
35-44	551	51373	0.01072548	26	1559	16.72102077
45-54	537	46483	0.01155261	35	1412	16.31228621
55-59	255	23172	0.01100466	10	1078	11.86302434
60-64	234	28321	0.00826242	16	1201	9.923166555
65-69	311	38989	0.00797661	28	1451	11.57405935
70-74	272	42550	0.00639248	21	1546	9.882773208
75-79	247	40542	0.00609245	6	1089	6.634675152
80-84	154	32602	0.00472364	8	679	3.207349242
85+ years	130	30855	0.00421326	2	566	2.384702641
TOTAL	5754	440170		299	14428	217.28

RATIO Obs/Expected=

1.38

s.e = 0.04929951

log of ratio = 0.31923872

95% CI Lower = 1.25 Upper = 1.52

99% CI Lower = 1.21 Upper = 1.56

99.9% CI Lower = 1.17 Upper = 1.62

APPENDIX L

STATISTICAL SUPPORT FOR PATTERN ANALYSIS 6: ICD-9-BASED
RESPIRATORY DISEASES, PROPORTIONAL MORBIDITY ANALYSIS METHOD;
1991-1994, BY SEX

Panel 1 – Definitions and summary

Disease Category	Areas					
	Lompoc	SB-Lom	SLO	Ventura	Mendo	Hum+Del N
I. Asthma						
Males	126	378	343	1,332	153	286
Females	173	450	404	1,763	260	381
II. Bronchitis.						
Males	141	387	340	1,130	172	317
Females.	146	474	407	1,424	211	309
III. Base						
Males	7,165	41,576	32,625	88,658	14,830	25,500
Females (non-males)	7,263	49,103	36,655	105,678	17,524	28,022

Panel 2 -- Males, asthma

Order: SB-Lom; Ven; SLO; Mendo; H+DN

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 126 | 7165 | 7291   Odds ratio = 1.93 (1.57 <OR< 2.38)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 378 | 41576 | 41954  Relative risk = 1.92 (1.57 <RR< 2.34)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 504 48741 49245   Ignore relative risk if case control study.
x
p
o                   Chi-Squares P-values
s                   -----
u                   Uncorrected : 41.96 0.0000000 ---
                    Mantel-Haenszel: 41.95 0.0000000 ---
                    Yates corrected: 41.14 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 126 | 7165 | 7291   Odds ratio = 1.17 (0.97 <OR< 1.41)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 1332 | 88658 | 89990  Relative risk = 1.17 (0.97 <RR< 1.40)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 1458 95823 97281  Ignore relative risk if case control study.
x
p
o                   Chi-Squares P-values
s                   -----
u                   Uncorrected : 2.81 0.0936948
                    Mantel-Haenszel: 2.81 0.0936965
                    Yates corrected: 2.64 0.1039255

```

```

+ Disease -
+-----+-----+
+| 126 | 7165 | 7291
+-----+-----+
-| 343 | 32625 | 32968
+-----+-----+
E 469 39790 40259
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.67 (1.35 <OR< 2.06)
Cornfield 95% confidence limits for OR
Relative risk = 1.66 (1.36 <RR< 2.03)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 24.53 0.0000007 ---
Mantel-Haenszel: 24.53 0.0000007 ---
Yates corrected: 23.93 0.0000010 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 7165 | 7291
+-----+-----+
-| 153 | 14830 | 14983
+-----+-----+
E 279 21995 22274
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.70 (1.34 <OR< 2.18)
Cornfield 95% confidence limits for OR
Relative risk = 1.69 (1.34 <RR< 2.14)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 19.82 0.0000085 ---
Mantel-Haenszel: 19.82 0.0000085 ---
Yates corrected: 19.25 0.0000115 ---

```

```

+ Disease -
+-----+-----+
+| 126 | 7165 | 7291
+-----+-----+
-| 286 | 25500 | 25786
+-----+-----+
E 412 32665 33077
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.57 (1.26 <OR< 1.95)
Cornfield 95% confidence limits for OR
Relative risk = 1.56 (1.27 <RR< 1.92)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 17.71 0.0000258 ---
Mantel-Haenszel: 17.71 0.0000258 ---
Yates corrected: 17.21 0.0000335 ---

```

Panel 3 – males, bronchitis

```

+ Disease -
+-----+-----+
+| 141 | 7165 | 7306
+-----+-----+
-| 387 | 41576 | 41963
+-----+-----+
E 528 48741 49269
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.11 (1.73 <OR< 2.58)
Cornfield 95% confidence limits for OR
Relative risk = 2.09 (1.73 <RR< 2.53)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 59.60 0.0000000 ---
Mantel-Haenszel: 59.60 0.0000000 ---
Yates corrected: 58.65 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 141 | 7165 | 7306
+-----+-----+
-| 1130 | 88658 | 89788
+-----+-----+
E 1271 95823 97094
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.54 (1.29 <OR< 1.85)
Cornfield 95% confidence limits for OR
Relative risk = 1.53 (1.29 <RR< 1.82)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 23.57 0.0000012 ---
Mantel-Haenszel: 23.57 0.0000012 ---
Yates corrected: 23.06 0.0000016 ---

```

```

+ Disease -
+-----+-----+
+| 141 | 7165 | 7306
+-----+-----+
-| 340 | 32625 | 32965
+-----+-----+
E 481 39790 40271
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.89 (1.54 <OR< 2.31)
Cornfield 95% confidence limits for OR
Relative risk = 1.87 (1.54 <RR< 2.27)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 40.91 0.0000000 ---
Mantel-Haenszel: 40.91 0.0000000 ---
Yates corrected: 40.16 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 141 | 7165 | 7306
+-----+-----+
-| 172 | 14830 | 15002
+-----+-----+
E 313 21995 22308
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.70 (1.35 <OR< 2.14)
Cornfield 95% confidence limits for OR
Relative risk = 1.68 (1.35 <RR< 2.10)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 21.80 0.0000030 ---
Mantel-Haenszel: 21.80 0.0000030 ---
Yates corrected: 21.23 0.0000041 ---

```

```

+ Disease -
+-----+-----+
+| 141 | 7165 | 7306
+-----+-----+
-| 317 | 25500 | 25817
+-----+-----+
E 458 32665 33123
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.58 (1.29 <OR< 1.94)
Cornfield 95% confidence limits for OR
Relative risk = 1.57 (1.29 <RR< 1.91)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 20.58 0.0000057 ---
Mantel-Haenszel: 20.58 0.0000057 ---
Yates corrected: 20.07 0.0000075 ---

```

Panel 4 -- Females, asthma

```

+ Disease -
+-----+-----+
+| 173 | 7263 | 7436
+-----+-----+
-| 450 | 49103 | 49553
+-----+-----+
E 623 56366 56989
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.60 (2.17 <OR< 3.11)
Cornfield 95% confidence limits for OR
Relative risk = 2.56 (2.15 <RR< 3.05)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 120.31 0.0000000 ---
Mantel-Haenszel: 120.31 0.0000000 ---
Yates corrected: 119.00 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 173 | 7263 | 7436
+-----+-----+
-| 1763 | 105678 | 107441
+-----+-----+
E 1936 112941 114877
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.43 (1.22 <OR< 1.68)
Cornfield 95% confidence limits for OR
Relative risk = 1.42 (1.22 <RR< 1.65)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 19.73 0.0000089 ---
Mantel-Haenszel: 19.73 0.0000089 ---
Yates corrected: 19.32 0.0000111 ---

```

```

+ Disease -
+-----+-----+
+| 173 | 7263 | 7436
+-----+-----+
-| 404 | 36655 | 37059
+-----+-----+
E 577 43918 44495
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.16 (1.80 <OR< 2.60)
Cornfield 95% confidence limits for OR
Relative risk = 2.13 (1.79 <RR< 2.55)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 73.96 0.0000000 ---
Mantel-Haenszel: 73.96 0.0000000 ---
Yates corrected: 73.00 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 173 | 7263 | 7436
+-----+-----+
-| 260 | 17524 | 17784
+-----+-----+
E 433 24787 25220
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.61 (1.32 <OR< 1.96)
Cornfield 95% confidence limits for OR
Relative risk = 1.59 (1.32 <RR< 1.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 23.23 0.0000014 ---
Mantel-Haenszel: 23.22 0.0000014 ---
Yates corrected: 22.72 0.0000019 ---

```

```

+ Disease -
+-----+-----+
+| 173 | 7263 | 7436
+-----+-----+
-| 381 | 28022 | 28403
+-----+-----+
E 554 35285 35839
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.75 (1.45 <OR< 2.11)
Cornfield 95% confidence limits for OR
Relative risk = 1.73 (1.45 <RR< 2.07)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 37.58 0.0000000 ---
Mantel-Haenszel: 37.58 0.0000000 ---
Yates corrected: 36.93 0.0000000 ---

```

Panel 5 – Females, bronchitis

```

+ Disease -
+-----+-----+
+| 146 | 7263 | 7409
+-----+-----+
-| 474 | 49103 | 49577
+-----+-----+
E 620 56366 56986
x
P
o
s
u
Analysis of Single Table
Odds ratio = 2.08 (1.72 <OR< 2.52)
Cornfield 95% confidence limits for OR
Relative risk = 2.06 (1.71 <RR< 2.48)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 61.64 0.0000000 ---
Mantel-Haenszel: 61.64 0.0000000 ---
Yates corrected: 60.71 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 146 | 7263 | 7409
+-----+-----+
-| 1424 | 105678 | 107102
+-----+-----+
E 1570 112941 114511
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.49 (1.25 <OR< 1.78)
Cornfield 95% confidence limits for OR
Relative risk = 1.48 (1.25 <RR< 1.75)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 21.06 0.0000045 ---
Mantel-Haenszel: 21.06 0.0000045 ---
Yates corrected: 20.58 0.0000057 ---

```

```

+ Disease -
+-----+-----+
+| 146 | 7263 | 7409
+-----+-----+
-| 407 | 36655 | 37062
+-----+-----+
E 553 43918 44471
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.81 (1.49 <OR< 2.20)
Cornfield 95% confidence limits for OR
Relative risk = 1.79 (1.49 <RR< 2.16)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 38.27 0.0000000 ---
Mantel-Haenszel: 38.27 0.0000000 ---
Yates corrected: 37.56 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 146 | 7263 | 7409
+-----+-----+
-| 211 | 17524 | 17735
+-----+-----+
E 357 24787 25144
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.67 (1.34 <OR< 2.08)
Cornfield 95% confidence limits for OR
Relative risk = 1.66 (1.34 <RR< 2.04)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 22.76 0.0000018 ---
Mantel-Haenszel: 22.76 0.0000018 ---
Yates corrected: 22.21 0.0000024 ---

```

```

+ Disease -
+-----+-----+
+| 146 | 7263 | 7409
+-----+-----+
-| 309 | 28022 | 28331
+-----+-----+
E 455 35285 35740
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.82 (1.49 <OR< 2.23)
Cornfield 95% confidence limits for OR
Relative risk = 1.81 (1.49 <RR< 2.20)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 36.18 0.0000000 ---
Mantel-Haenszel: 36.18 0.0000000 ---
Yates corrected: 35.48 0.0000000 ---

```

Aggregate OR for Pattern Analysis 6

```

+ Disease -
+-----+-----+
+| 126 | 7165 | 7291
+-----+-----+
-| 2492 | 203189 | 205681
+-----+-----+
E 2618 210354 212972
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.43 (1.19 <OR< 1.72)
Cornfield 95% confidence limits for OR
Relative risk = 1.43 (1.19 <RR< 1.70)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 15.48 0.0000836 ---
Mantel-Haenszel: 15.48 0.0000836 ---
Yates corrected: 15.05 0.0001045 ---

```

```

+ Disease -
+-----+-----+
+| 141 | 7165 | 7306
+-----+-----+
-| 2346 | 203189 | 205535
+-----+-----+
E 2487 210354 212841
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.70 (1.43 <OR< 2.03)
Cornfield 95% confidence limits for OR
Relative risk = 1.69 (1.43 <RR< 2.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 37.98 0.0000000 ---
Mantel-Haenszel: 37.98 0.0000000 ---
Yates corrected: 37.30 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 173 | 7263 | 7436
+-----+-----+
-| 3258 |236982 |240240
+-----+-----+
E 3431 244245 247676
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.73 (1.48 <OR< 2.03)
Cornfield 95% confidence limits for OR
Relative risk = 1.72 (1.47 <RR< 2.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 49.72 0.0000000 ---
Mantel-Haenszel: 49.72 0.0000000 ---
Yates corrected: 49.01 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 146 | 7263 | 7409
+-----+-----+
-| 2825 |236982 |239807
+-----+-----+
E 2971 244245 247216
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.69 (1.42 <OR< 2.00)
Cornfield 95% confidence limits for OR
Relative risk = 1.67 (1.42 <RR< 1.97)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 38.02 0.0000000 ---
Mantel-Haenszel: 38.02 0.0000000 ---
Yates corrected: 37.36 0.0000000 ---

```

APPENDIX M

STATISTICAL SUPPORT FOR PATTERN ANALYSIS 7: ICD-9-BASED
RESPIRATORY DISEASES, PROPORTIONAL MORBIDITY METHOD: LOMPOC
VS. COMPARISON COUNTIES, BY RACE, ALL AGES

Panel 1 – Definitions and summary

Disease Category	Areas					
	Lompoc	SB-Lom	SLO	Ventura	Mendo	Hum+Del N
I. Asthma						
Whites	198	526	622	1,986	354	569
Hispanics	55	217	80	724	25	14
Other race/ethnic gr						
II. Bronchitis.						
Whites	206	659	659	1,765	346	569
Hispanics	45	156	64	633	20	14
Other race/ethnic gr						
III. Base						
White	11,232	70,829	62,962	148,935	29,589	49,613
Hispanic	1,708	14,073	4,154	32,744	1,314	825
Other race/ethnic gr						

Order: SB-Lom; Vent; SLO; Mendo; H+DN

Panel 2 – Asthma, whites

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 198 | 11232 | 11430           Odds ratio = 2.37 (2.01 <OR< 2.81)
+-----+-----+           Cornfield 95% confidence limits for OR
-| 526 | 70829 | 71355           Relative risk = 2.35 (2.00 <RR< 2.76)
+-----+-----+           Taylor Series 95% confidence limits for RR
E 724 82061 82785           Ignore relative risk if case control study.
x                               Chi-Squares  P-values
p                               -----
o                               Uncorrected : 112.54  0.0000000 ---
s                               Mantel-Haenszel: 112.54  0.0000000 ---
u                               Yates corrected: 111.39  0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 198 | 11232 | 11430
+-----+-----+
-| 1986 | 148935 | 150921
+-----+-----+
E 2184 160167 162351
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.32 (1.14 <OR< 1.54)
Cornfield 95% confidence limits for OR
Relative risk = 1.32 (1.14 <RR< 1.52)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 13.88 0.0001949 ---
Mantel-Haenszel: 13.88 0.0001949 ---
Yates corrected: 13.57 0.0002301 ---

```

```

+ Disease -
+-----+-----+
+| 198 | 11232 | 11430
+-----+-----+
-| 622 | 62962 | 63584
+-----+-----+
E 820 74194 75014
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.78 (1.51 <OR< 2.10)
Cornfield 95% confidence limits for OR
Relative risk = 1.77 (1.51 <RR< 2.08)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 50.95 0.0000000 ---
Mantel-Haenszel: 50.95 0.0000000 ---
Yates corrected: 50.26 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 198 | 11232 | 11430
+-----+-----+
-| 354 | 29589 | 29943
+-----+-----+
E 552 40821 41373
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.47 (1.23 <OR< 1.76)
Cornfield 95% confidence limits for OR
Relative risk = 1.47 (1.23 <RR< 1.74)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 19.01 0.0000130 ---
Mantel-Haenszel: 19.01 0.0000130 ---
Yates corrected: 18.60 0.0000162 ---

```

```

+ Disease -
+-----+-----+
+| 198 | 11232 | 11430
+-----+-----+
-| 569 | 49613 | 50182
+-----+-----+
E 767 60845 61612
x
P
o
s
u
Analysis of Single Table
Odds ratio = 1.54 (1.30 <OR< 1.81)
Cornfield 95% confidence limits for OR
Relative risk = 1.53 (1.30 <RR< 1.79)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 27.12 0.0000002 ---
Mantel-Haenszel: 27.12 0.0000002 ---
Yates corrected: 26.63 0.0000002 ---

```

Panel 2 -- Bronchitis, whites

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 206 |11232 |11438   Odds ratio = 1.97 (1.68 <OR< 2.31)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 659 |70829 |71488   Relative risk = 1.95 (1.67 <RR< 2.28)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 865 82061 82926     Ignore relative risk if case control study.
x                               Chi-Squares  P-values
p                               -----  -----
o                               Uncorrected : 73.84 0.0000000 ---
s                               Mantel-Haenszel: 73.84 0.0000000 ---
u                               Yates corrected: 72.99 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 206 |11232 |11438   Odds ratio = 1.55 (1.33 <OR< 1.79)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 1765 |148935 |150700   Relative risk = 1.54 (1.33 <RR< 1.77)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 1971 160167 162138   Ignore relative risk if case control study.
x                               Chi-Squares  P-values
p                               -----  -----
o                               Uncorrected : 35.12 0.0000000 ---
s                               Mantel-Haenszel: 35.12 0.0000000 ---
u                               Yates corrected: 34.59 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 206 |11232 |11438   Odds ratio = 1.75 (1.49 <OR< 2.06)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 659 |62962 |63621   Relative risk = 1.74 (1.49 <RR< 2.03)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 865 74194 75059     Ignore relative risk if case control study.
x                               Chi-Squares  P-values
p                               -----  -----
o                               Uncorrected : 49.83 0.0000000 ---
s                               Mantel-Haenszel: 49.83 0.0000000 ---
u                               Yates corrected: 49.16 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 206 | 11232 | 11438
+-----+-----+
-| 346 | 29589 | 29935
+-----+-----+
E 552 40821 41373
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.57 (1.31 <OR< 1.87)
Cornfield 95% confidence limits for OR
Relative risk = 1.56 (1.31 <RR< 1.85)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 26.17 0.0000003 ---
Mantel-Haenszel: 26.17 0.0000003 ---
Yates corrected: 25.68 0.0000004 ---

```

```

+ Disease -
+-----+-----+
+| 206 | 11232 | 11438
+-----+-----+
-| 569 | 49613 | 50182
+-----+-----+
E 775 60845 61620
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.60 (1.36 <OR< 1.88)
Cornfield 95% confidence limits for OR
Relative risk = 1.59 (1.36 <RR< 1.86)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 33.38 0.0000000 ---
Mantel-Haenszel: 33.38 0.0000000 ---
Yates corrected: 32.85 0.0000000 ---

```

Panel 3 -- Asthma, Hispanics

```

+ Disease -
+-----+-----+
+| 55 | 1708 | 1763
+-----+-----+
-| 217 | 14073 | 14290
+-----+-----+
E 272 15781 16053
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.09 (1.53 <OR< 2.85)
Cornfield 95% confidence limits for OR
Relative risk = 2.05 (1.53 <RR< 2.75)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 24.15 0.0000009 ---
Mantel-Haenszel: 24.15 0.0000009 ---
Yates corrected: 23.20 0.0000015 ---

```

```

+ Disease -
+-----+-----+
+| 55 | 1708 | 1763
+-----+-----+
-| 724 | 32744 | 33468
+-----+-----+
E 779 34452 35231
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.46 (1.09 <OR< 1.94)
Cornfield 95% confidence limits for OR
Relative risk = 1.44 (1.10 <RR< 1.89)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.09 0.0077722 ---
Mantel-Haenszel: 7.09 0.0077730 ---
Yates corrected: 6.65 0.0099167 ---

```

```

+ Disease -
+-----+-----+
+| 55 | 1708 | 1763
+-----+-----+
-| 80 | 4154 | 4234
+-----+-----+
E 135 5862 5997
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.67 (1.16 <OR< 2.40)
Cornfield 95% confidence limits for OR
Relative risk = 1.65 (1.18 <RR< 2.32)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.56 0.0034346 ---
Mantel-Haenszel: 8.56 0.0034373 ---
Yates corrected: 8.01 0.0046495 ---

```

```

+ Disease -
+-----+-----+
+| 55 | 1708 | 1763
+-----+-----+
-| 25 | 1314 | 1339
+-----+-----+
E 80 3022 3102
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.69 (1.03 <OR< 2.81)
Cornfield 95% confidence limits for OR
Relative risk = 1.67 (1.05 <RR< 2.67)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.75 0.0292548 ---
Mantel-Haenszel: 4.75 0.0292809 ---
Yates corrected: 4.27 0.0388579 ---

```

```

+ Disease -
+-----+-----+
+| 55 | 1708 | 1763
+-----+-----+
-| 14 | 825 | 839
+-----+-----+
E 69 2533 2602
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.90 (1.02 <OR< 3.59)
Cornfield 95% confidence limits for OR
Relative risk = 1.87 (1.05 <RR< 3.34)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 4.64 0.0312989 ---
Mantel-Haenszel: 4.63 0.0313314 ---
Yates corrected: 4.09 0.0431010 ---

```

Panel 4 -- Bronchitis, Hispanics

```

+ Disease -
+-----+-----+
+| 45 | 1708 | 1753
+-----+-----+
-| 156 | 14073 | 14229
+-----+-----+
E 201 15781 15982
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.38 (1.68 <OR< 3.36)
Cornfield 95% confidence limits for OR
Relative risk = 2.34 (1.69 <RR< 3.25)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 27.18 0.0000002 ---
Mantel-Haenszel: 27.18 0.0000002 ---
Yates corrected: 26.01 0.0000003 ---

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.36 (0.99 <OR< 1.87)
+ 45 1708 1753	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.35 (1.00 <RR< 1.82)
- 633 32744 33377	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 678 34452 35130	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 3.96 0.0466994 ---
s	Mantel-Haenszel: 3.96 0.0467025 ---
u	Yates corrected: 3.61 0.0574379

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.71 (1.14 <OR< 2.56)
+ 45 1708 1753	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.69 (1.16 <RR< 2.47)
- 64 4154 4218	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 109 5862 5971	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 7.61 0.0057918 ---
s	Mantel-Haenszel: 7.61 0.0057959 ---
u	Yates corrected: 7.04 0.0079731 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.73 (0.99 <OR< 3.05)
+ 45 1708 1753	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.71 (1.02 <RR< 2.89)
- 20 1314 1334	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 65 3022 3087	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 4.19 0.0406598 ---
s	Mantel-Haenszel: 4.19 0.0406924 ---
u	Yates corrected: 3.69 0.0548011

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.55 (0.82 <OR< 2.98)
+ 45 1708 1753	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.54 (0.85 <RR< 2.79)
- 14 825 839	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 59 2533 2592	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 2.06 0.1513328
s	Mantel-Haenszel: 2.06 0.1514117
u	Yates corrected: 1.67 0.1956298

Aggregate OR for Pattern Analysis 7

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 198 | 11232 | 11430   Odds ratio = 1.57 (1.36 <OR< 1.82)
+-----+-----+
                        Cornfield 95% confidence limits for OR
+-----+-----+
                        Relative risk = 1.56 (1.36 <RR< 1.80)
-| 4057 | 361928 | 365985 Taylor Series 95% confidence limits for RR
+-----+-----+
                        Ignore relative risk if case control study.
E 4255 373160 377415
x
p
o
s
u
                        Chi-Squares  P-values
                        -----  -----
                        Uncorrected : 38.69 0.0000000 ---
                        Mantel-Haenszel: 38.69 0.0000000 ---
                        Yates corrected: 38.13 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 206 | 11232 | 11438   Odds ratio = 1.66 (1.44 <OR< 1.92)
+-----+-----+
                        Cornfield 95% confidence limits for OR
+-----+-----+
                        Relative risk = 1.65 (1.43 <RR< 1.89)
-| 3998 | 361928 | 365926 Taylor Series 95% confidence limits for RR
+-----+-----+
                        Ignore relative risk if case control study.
E 4204 373160 377364
x
p
o
s
u
                        Chi-Squares  P-values
                        -----  -----
                        Uncorrected : 50.53 0.0000000 ---
                        Mantel-Haenszel: 50.53 0.0000000 ---
                        Yates corrected: 49.89 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 55 | 1708 | 1763   Odds ratio = 1.61 (1.21 <OR< 2.14)
+-----+-----+
                        Cornfield 95% confidence limits for OR
+-----+-----+
                        Relative risk = 1.59 (1.22 <RR< 2.08)
-| 1060 | 53110 | 54170 Taylor Series 95% confidence limits for RR
+-----+-----+
                        Ignore relative risk if case control study.
E 1115 54818 55933
x
p
o
s
u
                        Chi-Squares  P-values
                        -----  -----
                        Uncorrected : 11.82 0.0005866 ---
                        Mantel-Haenszel: 11.82 0.0005866 ---
                        Yates corrected: 11.23 0.0008047 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 45 | 1708 | 1753   Odds ratio = 1.58 (1.15 <OR< 2.16)
+-----+-----+
                        Cornfield 95% confidence limits for OR
+-----+-----+
                        Relative risk = 1.56 (1.16 <RR< 2.10)
-| 887 | 53110 | 53997 Taylor Series 95% confidence limits for RR
+-----+-----+
                        Ignore relative risk if case control study.
E 932 54818 55750
x
p
o
s
u
                        Chi-Squares  P-values
                        -----  -----
                        Uncorrected : 8.83 0.0029710 ---
                        Mantel-Haenszel: 8.83 0.0029712 ---
                        Yates corrected: 8.27 0.0040265 ---

```

APPENDIX N

STATISTICAL SUPPORT FOR PATTERN ANALYSES 8 AND 9: ICD-9-BASED
RESPIRATORY DISEASES, MORBIDITY ODDS RATIO METHOD, LOMPOC VS.
COMPARISON COUNTIES, BY ADMISSION YEAR; 1991-1994, ALL AGES

Panel 1 – 1991 (or earlier)

Note: no restriction of bronchitis and asthma cases was used in this appendix.

<u>DISEASE ICD-9 CODES</u>	<u>Lompoc</u>	<u>SB-Lompoc</u>	<u>SLO Co.</u>	<u>Ventura Co</u>	<u>Mendocino</u>	<u>Hum&Del N</u>
I. Bronchitis →	67	217	193	639	102	207
Bronchitis acute 466.0						
bronchiolitis acute 466.1						
NOS 490						
chronic 491						
II. Asthma	114	254	220	895	125	208
Asthma 493						

Panel 2 -- 1992

<u>DISEASE ICD-9 CODES</u>	<u>Lompoc</u>	<u>SB-Lompoc</u>	<u>SLO Co.</u>	<u>Ventura Co</u>	<u>Mendocino</u>	<u>Hum&Del N</u>
I. Bronchitis →	90	249	187	637	102	152
Bronchitis acute 466.0						
bronchiolitis acute 466.1						
NOS 490						
chronic 491						
II. Asthma	81	196	181	788	100	160
Asthma 493						

Panel 3 -- 1993

<u>DISEASE ICD-9 CODES</u>	<u>Lompoc</u>	<u>SB-Lompoc</u>	<u>SLO Co.</u>	<u>Ventura Co</u>	<u>Mendocino</u>	<u>Hum&Del N</u>
I. Bronchitis →	66	240	200	743	119	144
Bronchitis acute 466.0						
bronchiolitis acute 466.1						
NOS 490						
chronic 491						
II. Asthma	54	224	180	745	115	177
Asthma 493						

Panel 4 -- 1994

<u>DISEASE ICD-9 CODES</u>	<u>Lompoc</u>	<u>SB-Lompoc</u>	<u>SLO Co.</u>	<u>Ventura Co</u>	<u>Mendocino</u>	<u>Hum&Del N</u>
I. Bronchitis →	70	198	201	666	72	162
Bronchitis acute 466.0						
bronchiolitis acute 466.1						
NOS 490						
chronic 491						
II. Asthma	58	171	185	741	81	135
Asthma 493						

Panel 6 – Morbidity Odds Ratio (MOR) control series

DISEASE ICD-9 CODES	Lompoc	SB-Lompoc	SLO Co.	Ventura Co	Mendocino	Hum&Del N
I. MOR control series						
Circulatory	2,421	14,851	12,594	30,793	5,841	9,548
Digestive	1,469	9,607	7,041	19,726	3,132	5,856
Trauma	1,827	10,855	8,617	23,860	3,555	7,804

Panel 7 – statistical support

Control diseases: Circulatory, Digestive, Trauma.

Control counties: SB-Lom, Ventura, SLO, Mendocino, and Humboldt+Del Norte

Blocks: admission year 1991, 1992, 1992, and 1994.

1) Bronchitis, 1991

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 67 | 2421 | 2488      Odds ratio = 1.89 (1.42 <OR< 2.52)
+-----+-----+      Cornfield 95% confidence limits for OR
-| 217 | 14851 | 15068  Relative risk = 1.87 (1.43 <RR< 2.45)
+-----+-----+      Taylor Series 95% confidence limits for RR
E 284 17272 17556      Ignore relative risk if case control study.
x                               Chi-Squares  P-values
p                               -----  -----
o                               Uncorrected : 21.06  0.0000045 ---
s                               Mantel-Haenszel: 21.06  0.0000045 ---
u                               Yates corrected: 20.28  0.0000067 ---
    
```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 67 | 1469 | 1536      Odds ratio = 2.02 (1.51 <OR< 2.69)
+-----+-----+      Cornfield 95% confidence limits for OR
-| 217 | 9607 | 9824  Relative risk = 1.97 (1.51 <RR< 2.58)
+-----+-----+      Taylor Series 95% confidence limits for RR
E 284 11076 11360      Ignore relative risk if case control study.
x                               Chi-Squares  P-values
p                               -----  -----
o                               Uncorrected : 25.26  0.0000005 ---
s                               Mantel-Haenszel: 25.26  0.0000005 ---
u                               Yates corrected: 24.39  0.0000008 ---
    
```



```

+ Disease -
+-----+-----+
+| 67 | 2421 | 2488
+-----+-----+
-| 193 | 12594 | 12787
+-----+-----+
E 260 15015 15275
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.81 (1.35 <OR< 2.41)
Cornfield 95% confidence limits for OR
Relative risk = 1.78 (1.36 <RR< 2.35)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 17.44 0.0000297 ---
Mantel-Haenszel: 17.44 0.0000297 ---
Yates corrected: 16.74 0.0000429 ---

```

```

+ Disease -
+-----+-----+
+| 67 | 1469 | 1536
+-----+-----+
-| 193 | 7041 | 7234
+-----+-----+
E 260 8510 8770
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.66 (1.24 <OR< 2.23)
Cornfield 95% confidence limits for OR
Relative risk = 1.63 (1.25 <RR< 2.15)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 12.64 0.0003778 ---
Mantel-Haenszel: 12.64 0.0003781 ---
Yates corrected: 12.06 0.0005160 ---

```

```

+ Disease -
+-----+-----+
+| 67 | 1827 | 1894
+-----+-----+
-| 193 | 8617 | 8810
+-----+-----+
E 260 10444 10704
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.64 (1.22 <OR< 2.19)
Cornfield 95% confidence limits for OR
Relative risk = 1.61 (1.23 <RR< 2.12)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 11.93 0.0005522 ---
Mantel-Haenszel: 11.93 0.0005525 ---
Yates corrected: 11.37 0.0007467 ---

```

```

+ Disease -
+-----+-----+
+| 67 | 2421 | 2488
+-----+-----+
-| 102 | 5841 | 5943
+-----+-----+
E 169 8262 8431
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.58 (1.15 <OR< 2.19)
Cornfield 95% confidence limits for OR
Relative risk = 1.57 (1.16 <RR< 2.13)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 8.52 0.0035211 ---
Mantel-Haenszel: 8.51 0.0035231 ---
Yates corrected: 8.03 0.0046119 ---

```

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 1.40 (1.01 <OR< 1.94)
	+ 67 1469 1536		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 1.38 (1.02 <RR< 1.87)
	- 102 3132 3234		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	169 4601 4770		
x			Chi-Squares P-values

o			Uncorrected : 4.45 0.0349688 ---
s			Mantel-Haenszel: 4.45 0.0349879 ---
u			Yates corrected: 4.10 0.0428770 ---

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 1.28 (0.92 <OR< 1.77)
	+ 67 1827 1894		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 1.27 (0.94 <RR< 1.72)
	- 102 3555 3657		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	169 5382 5551		
x			Chi-Squares P-values

o			Uncorrected : 2.37 0.1239177
s			Mantel-Haenszel: 2.37 0.1239516
u			Yates corrected: 2.12 0.1453516

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 1.28 (0.96 <OR< 1.70)
	+ 67 2421 2488		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 1.27 (0.97 <RR< 1.67)
	- 207 9548 9755		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	274 11969 12243		
x			Chi-Squares P-values

o			Uncorrected : 2.95 0.0856929
s			Mantel-Haenszel: 2.95 0.0857057
u			Yates corrected: 2.70 0.1004557

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 1.29 (0.96 <OR< 1.72)
	+ 67 1469 1536		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 1.28 (0.98 <RR< 1.67)
	- 207 5856 6063		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	274 7325 7599		
x			Chi-Squares P-values

o			Uncorrected : 3.17 0.0751109
s			Mantel-Haenszel: 3.17 0.0751301
u			Yates corrected: 2.90 0.0885350

```

+ Disease -
+-----+-----+
+| 67 | 1827 | 1894
+-----+-----+
-| 207 | 7804 | 8011
+-----+-----+
E 274 9631 9905
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.38 (1.03 <OR< 1.85)
Cornfield 95% confidence limits for OR
Relative risk = 1.37 (1.04 <RR< 1.79)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.18 0.0228723 ---
Mantel-Haenszel: 5.18 0.0228792 ---
Yates corrected: 4.83 0.0279729 ---

```

2) Bronchitis, 1992

```

+ Disease -
+-----+-----+
+| 90 | 2421 | 2511
+-----+-----+
-| 249 | 14851 | 15100
+-----+-----+
E 339 17272 17611
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.22 (1.72 <OR< 2.85)
Cornfield 95% confidence limits for OR
Relative risk = 2.17 (1.71 <RR< 2.76)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 42.71 0.0000000 ---
Mantel-Haenszel: 42.71 0.0000000 ---
Yates corrected: 41.69 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 90 | 1469 | 1559
+-----+-----+
-| 249 | 9607 | 9856
+-----+-----+
E 339 11076 11415
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.36 (1.83 <OR< 3.05)
Cornfield 95% confidence limits for OR
Relative risk = 2.29 (1.81 <RR< 2.89)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 49.24 0.0000000 ---
Mantel-Haenszel: 49.23 0.0000000 ---
Yates corrected: 48.12 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 90 | 1827 | 1917
+-----+-----+
-| 249 | 10855 | 11104
+-----+-----+
E 339 12682 13021
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.15 (1.67 <OR< 2.77)
Cornfield 95% confidence limits for OR
Relative risk = 2.09 (1.65 <RR< 2.65)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 38.77 0.0000000 ---
Mantel-Haenszel: 38.77 0.0000000 ---
Yates corrected: 37.81 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 90 | 2421 | 2511
+-----+-----+
-| 637 | 30793 | 31430
+-----+-----+
E 727 33214 33941
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.80 (1.43 <OR< 2.26)
Cornfield 95% confidence limits for OR
Relative risk = 1.77 (1.42 <RR< 2.20)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 26.91 0.0000002 ---
Mantel-Haenszel: 26.91 0.0000002 ---
Yates corrected: 26.17 0.0000003 ---

```

```

+ Disease -
+-----+-----+
+| 90 | 1469 | 1559
+-----+-----+
-| 637 | 19726 | 20363
+-----+-----+
E 727 21195 21922
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.90 (1.50 <OR< 2.39)
Cornfield 95% confidence limits for OR
Relative risk = 1.85 (1.49 <RR< 2.29)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 31.59 0.0000000 ---
Mantel-Haenszel: 31.59 0.0000000 ---
Yates corrected: 30.77 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 90 | 1827 | 1917
+-----+-----+
-| 637 | 23860 | 24497
+-----+-----+
E 727 25687 26414
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.85 (1.46 <OR< 2.33)
Cornfield 95% confidence limits for OR
Relative risk = 1.81 (1.46 <RR< 2.24)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 29.14 0.0000001 ---
Mantel-Haenszel: 29.14 0.0000001 ---
Yates corrected: 28.36 0.0000001 ---

```

```

+ Disease -
+-----+-----+
+| 90 | 2421 | 2511
+-----+-----+
-| 187 | 12594 | 12781
+-----+-----+
E 277 15015 15292
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.50 (1.92 <OR< 3.26)
Cornfield 95% confidence limits for OR
Relative risk = 2.45 (1.91 <RR< 3.14)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 53.09 0.0000000 ---
Mantel-Haenszel: 53.09 0.0000000 ---
Yates corrected: 51.90 0.0000000 ---

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.31 (1.77 <OR< 3.01)
+ 90 1469 1559	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.23 (1.75 <RR< 2.85)
- 187 7041 7228	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 277 8510 8787	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 42.63 0.0000000 ---
s	Mantel-Haenszel: 42.63 0.0000000 ---
u	Yates corrected: 41.59 0.0000000 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.27 (1.74 <OR< 2.96)
+ 90 1827 1917	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.21 (1.73 <RR< 2.83)
- 187 8617 8804	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 277 10444 10721	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 41.34 0.0000000 ---
s	Mantel-Haenszel: 41.33 0.0000000 ---
u	Yates corrected: 40.32 0.0000000 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.13 (1.58 <OR< 2.87)
+ 90 2421 2511	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.09 (1.58 <RR< 2.76)
- 102 5841 5943	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 192 8262 8454	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 27.75 0.0000001 ---
s	Mantel-Haenszel: 27.75 0.0000001 ---
u	Yates corrected: 26.91 0.0000002 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.88 (1.39 <OR< 2.54)
+ 90 1469 1559	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.83 (1.39 <RR< 2.41)
- 102 3132 3234	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 192 4601 4793	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 18.76 0.0000148 ---
s	Mantel-Haenszel: 18.76 0.0000148 ---
u	Yates corrected: 18.09 0.0000211 ---

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 1.72 (1.27 <OR< 2.31)
+	90 1827 1917		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 1.68 (1.27 <RR< 2.22)
-	102 3555 3657		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	192 5382 5574		
x			Chi-Squares P-values

			Uncorrected : 13.73 0.0002107 ---
			Mantel-Haenszel: 13.73 0.0002110 ---
			Yates corrected: 13.17 0.0002851 ---

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 2.34 (1.78 <OR< 3.07)
+	90 2421 2511		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 2.29 (1.77 <RR< 2.96)
-	152 9548 9700		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	242 11969 12211		
x			Chi-Squares P-values

			Uncorrected : 41.78 0.0000000 ---
			Mantel-Haenszel: 41.78 0.0000000 ---
			Yates corrected: 40.75 0.0000000 ---

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 2.36 (1.79 <OR< 3.11)
+	90 1469 1559		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 2.28 (1.77 <RR< 2.94)
-	152 5856 6008		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	242 7325 7567		
x			Chi-Squares P-values

			Uncorrected : 42.05 0.0000000 ---
			Mantel-Haenszel: 42.04 0.0000000 ---
			Yates corrected: 41.01 0.0000000 ---

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 2.53 (1.92 <OR< 3.33)
+	90 1827 1917		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 2.46 (1.90 <RR< 3.17)
-	152 7804 7956		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	242 9631 9873		
x			Chi-Squares P-values

			Uncorrected : 50.09 0.0000000 ---
			Mantel-Haenszel: 50.08 0.0000000 ---
			Yates corrected: 48.93 0.0000000 ---

3) Bronchitis, 1993

+ Disease -

Analysis of Single Table

+-----+-----+

Odds ratio = 1.69 (1.27 <OR< 2.24)

+| 66 | 2421 | 2487

Cornfield 95% confidence limits for OR

+-----+-----+

Relative risk = 1.67 (1.27 <RR< 2.18)

-| 240 | 14851 | 15091

Taylor Series 95% confidence limits for RR

+-----+-----+

Ignore relative risk if case control study.

E 306 17272 17578

x

Chi-Squares P-values

p

o

Uncorrected : 14.12 0.0001718 ---

s

Mantel-Haenszel: 14.12 0.0001719 ---

u

Yates corrected: 13.50 0.0002383 ---

+ Disease -

Analysis of Single Table

+-----+-----+

Odds ratio = 1.80 (1.35 <OR< 2.39)

+| 66 | 1469 | 1535

Cornfield 95% confidence limits for OR

+-----+-----+

Relative risk = 1.76 (1.35 <RR< 2.30)

-| 240 | 9607 | 9847

Taylor Series 95% confidence limits for RR

+-----+-----+

Ignore relative risk if case control study.

E 306 11076 11382

x

Chi-Squares P-values

p

o

Uncorrected : 17.61 0.0000272 ---

s

Mantel-Haenszel: 17.60 0.0000272 ---

u

Yates corrected: 16.90 0.0000394 ---

+ Disease -

Analysis of Single Table

+-----+-----+

Odds ratio = 1.63 (1.23 <OR< 2.17)

+| 66 | 1827 | 1893

Cornfield 95% confidence limits for OR

+-----+-----+

Relative risk = 1.61 (1.23 <RR< 2.11)

-| 240 | 10855 | 11095

Taylor Series 95% confidence limits for RR

+-----+-----+

Ignore relative risk if case control study.

E 306 12682 12988

x

Chi-Squares P-values

p

o

Uncorrected : 12.31 0.0004503 ---

s

Mantel-Haenszel: 12.31 0.0004506 ---

u

Yates corrected: 11.74 0.0006109 ---

+ Disease -

Analysis of Single Table

+-----+-----+

Odds ratio = 1.13 (0.87 <OR< 1.47)

+| 66 | 2421 | 2487

Cornfield 95% confidence limits for OR

+-----+-----+

Relative risk = 1.13 (0.88 <RR< 1.44)

-| 743 | 30793 | 31536

Taylor Series 95% confidence limits for RR

+-----+-----+

Ignore relative risk if case control study.

E 809 33214 34023

x

Chi-Squares P-values

p

o

Uncorrected : 0.88 0.3480675

s

Mantel-Haenszel: 0.88 0.3480746

u

Yates corrected: 0.76 0.3843047

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  66 | 1469 | 1535   Odds ratio = 1.19 (0.91 <OR< 1.55)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  743 | 19726 | 20469  Relative risk = 1.18 (0.93 <RR< 1.52)
+-----+-----+   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E  809  21195  22004
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :   1.81  0.1786433
Mantel-Haenszel:  1.81  0.1786532
Yates corrected:  1.62  0.2024395

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  66 | 1827 | 1893   Odds ratio = 1.16 (0.89 <OR< 1.51)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  743 | 23860 | 24603  Relative risk = 1.15 (0.90 <RR< 1.48)
+-----+-----+   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E  809  25687  26496
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :   1.29  0.2555524
Mantel-Haenszel:  1.29  0.2555613
Yates corrected:  1.14  0.2856788

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  66 | 2421 | 2487   Odds ratio = 1.72 (1.28 <OR< 2.29)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  200 | 12594 | 12794  Relative risk = 1.70 (1.29 <RR< 2.23)
+-----+-----+   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E  266  15015  15281
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  14.48  0.0001417 ---
Mantel-Haenszel:  14.48  0.0001418 ---
Yates corrected:  13.85  0.0001982 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  66 | 1469 | 1535   Odds ratio = 1.58 (1.18 <OR< 2.12)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  200 | 7041 | 7241   Relative risk = 1.56 (1.19 <RR< 2.04)
+-----+-----+   Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
E  266  8510  8776
x
p
o
s
u
Chi-Squares  P-values
-----  -----
Uncorrected  :  10.19  0.0014135 ---
Mantel-Haenszel:  10.19  0.0014144 ---
Yates corrected:  9.67  0.0018713 ---

```

```

+ Disease -
+-----+-----+
+| 66 | 1827 | 1893
+-----+-----+
-| 200 | 8617 | 8817
+-----+-----+
E 266 10444 10710
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.56 (1.16 <OR< 2.08)
Cornfield 95% confidence limits for OR
Relative risk = 1.54 (1.17 <RR< 2.02)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 9.55 0.0020011 ---
Mantel-Haenszel: 9.55 0.0020020 ---
Yates corrected: 9.05 0.0026238 ---

```

```

+ Disease -
+-----+-----+
+| 66 | 2421 | 2487
+-----+-----+
-| 119 | 5841 | 5960
+-----+-----+
E 185 8262 8447
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.34 (0.98 <OR< 1.83)
Cornfield 95% confidence limits for OR
Relative risk = 1.33 (0.99 <RR< 1.79)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 3.54 0.0599936
Mantel-Haenszel: 3.54 0.0600088
Yates corrected: 3.24 0.0719731

```

```

+ Disease -
+-----+-----+
+| 66 | 1469 | 1535
+-----+-----+
-| 119 | 3132 | 3251
+-----+-----+
E 185 4601 4786
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.18 (0.86 <OR< 1.62)
Cornfield 95% confidence limits for OR
Relative risk = 1.17 (0.87 <RR< 1.58)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 1.15 0.2842509
Mantel-Haenszel: 1.15 0.2843012
Yates corrected: 0.98 0.3219331

```

```

+ Disease -
+-----+-----+
+| 66 | 1827 | 1893
+-----+-----+
-| 119 | 3555 | 3674
+-----+-----+
E 185 5382 5567
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.08 (0.79 <OR< 1.48)
Cornfield 95% confidence limits for OR
Relative risk = 1.08 (0.80 <RR< 1.45)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 0.24 0.6254339
Mantel-Haenszel: 0.24 0.6254649
Yates corrected: 0.17 0.6823624

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.81 (1.33 <OR< 2.45)
+ 66 2421 2487	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.79 (1.34 <RR< 2.38)
- 144 9548 9692	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 210 11969 12179	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 15.93 0.0000656 ---
s	Mantel-Haenszel: 15.93 0.0000656 ---
u	Yates corrected: 15.25 0.0000940 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.83 (1.34 <OR< 2.48)
+ 66 1469 1535	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.79 (1.35 <RR< 2.38)
- 144 5856 6000	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 210 7325 7535	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 16.28 0.0000546 ---
s	Mantel-Haenszel: 16.28 0.0000547 ---
u	Yates corrected: 15.59 0.0000788 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.96 (1.44 <OR< 2.66)
+ 66 1827 1893	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.92 (1.44 <RR< 2.56)
- 144 7804 7948	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 210 9631 9841	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 20.53 0.0000059 ---
s	Mantel-Haenszel: 20.53 0.0000059 ---
u	Yates corrected: 19.74 0.0000089 ---

4) Bronchitis, 1994

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.17 (1.63 <OR< 2.88)
+ 70 2421 2491	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.14 (1.63 <RR< 2.80)
- 198 14851 15049	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 268 17272 17540	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 31.72 0.0000000 ---
s	Mantel-Haenszel: 31.72 0.0000000 ---
u	Yates corrected: 30.74 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 70 | 1469 | 1539
+-----+-----+
-| 198 | 9607 | 9805
+-----+-----+
E 268 11076 11344
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.31 (1.73 <OR< 3.08)
Cornfield 95% confidence limits for OR
Relative risk = 2.25 (1.72 <RR< 2.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 36.88 0.0000000 ---
Mantel-Haenszel: 36.88 0.0000000 ---
Yates corrected: 35.80 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 70 | 1827 | 1897
+-----+-----+
-| 198 | 10855 | 11053
+-----+-----+
E 268 12682 12950
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.10 (1.58 <OR< 2.79)
Cornfield 95% confidence limits for OR
Relative risk = 2.06 (1.58 <RR< 2.69)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 28.80 0.0000001 ---
Mantel-Haenszel: 28.80 0.0000001 ---
Yates corrected: 27.87 0.0000001 ---

```

```

+ Disease -
+-----+-----+
+| 70 | 2421 | 2491
+-----+-----+
-| 666 | 30793 | 31459
+-----+-----+
E 736 33214 33950
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.34 (1.03 <OR< 1.73)
Cornfield 95% confidence limits for OR
Relative risk = 1.33 (1.04 <RR< 1.69)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.23 0.0222285 ---
Mantel-Haenszel: 5.23 0.0222304 ---
Yates corrected: 4.91 0.0267614 ---

```

```

+ Disease -
+-----+-----+
+| 70 | 1469 | 1539
+-----+-----+
-| 666 | 19726 | 20392
+-----+-----+
E 736 21195 21931
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.41 (1.09 <OR< 1.83)
Cornfield 95% confidence limits for OR
Relative risk = 1.39 (1.09 <RR< 1.77)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.26 0.0070658 ---
Mantel-Haenszel: 7.26 0.0070671 ---
Yates corrected: 6.87 0.0087844 ---

```

```

+ Disease -
+-----+-----+
+| 70 | 1827 | 1897
+-----+-----+
-| 666 | 23860 | 24526
+-----+-----+
E 736 25687 26423
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.37 (1.06 <OR< 1.78)
Cornfield 95% confidence limits for OR
Relative risk = 1.36 (1.07 <RR< 1.73)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 6.18 0.0129508 ---
Mantel-Haenszel: 6.18 0.0129525 ---
Yates corrected: 5.82 0.0158345 ---

```

```

+ Disease -
+-----+-----+
+| 70 | 2421 | 2491
+-----+-----+
-| 201 | 12594 | 12795
+-----+-----+
E 271 15015 15286
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.81 (1.36 <OR< 2.41)
Cornfield 95% confidence limits for OR
Relative risk = 1.79 (1.37 <RR< 2.34)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 18.39 0.0000180 ---
Mantel-Haenszel: 18.38 0.0000180 ---
Yates corrected: 17.68 0.0000261 ---

```

```

+ Disease -
+-----+-----+
+| 70 | 1469 | 1539
+-----+-----+
-| 201 | 7041 | 7242
+-----+-----+
E 271 8510 8781
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.67 (1.25 <OR< 2.22)
Cornfield 95% confidence limits for OR
Relative risk = 1.64 (1.26 <RR< 2.14)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 13.34 0.0002599 ---
Mantel-Haenszel: 13.34 0.0002601 ---
Yates corrected: 12.75 0.0003555 ---

```

```

+ Disease -
+-----+-----+
+| 70 | 1827 | 1897
+-----+-----+
-| 201 | 8617 | 8818
+-----+-----+
E 271 10444 10715
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.64 (1.23 <OR< 2.18)
Cornfield 95% confidence limits for OR
Relative risk = 1.62 (1.24 <RR< 2.12)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 12.60 0.0003855 ---
Mantel-Haenszel: 12.60 0.0003858 ---
Yates corrected: 12.04 0.0005220 ---

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.35 (1.66 <OR< 3.31)
+ 70 2421 2491	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.31 (1.67 <RR< 3.20)
- 72 5841 5913	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 142 8262 8404	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 26.76 0.0000002 ---
s	Mantel-Haenszel: 26.75 0.0000002 ---
u	Yates corrected: 25.81 0.0000004 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.07 (1.46 <OR< 2.94)
+ 70 1469 1539	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.02 (1.46 <RR< 2.80)
- 72 3132 3204	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 142 4601 4743	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 18.96 0.0000134 ---
s	Mantel-Haenszel: 18.95 0.0000134 ---
u	Yates corrected: 18.17 0.0000202 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.89 (1.34 <OR< 2.68)
+ 70 1827 1897	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.86 (1.34 <RR< 2.57)
- 72 3555 3627	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 142 5382 5524	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 14.46 0.0001435 ---
s	Mantel-Haenszel: 14.45 0.0001437 ---
u	Yates corrected: 13.78 0.0002052 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.70 (1.27 <OR< 2.28)
+ 70 2421 2491	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.68 (1.28 <RR< 2.22)
- 162 9548 9710	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 232 11969 12201	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 13.85 0.0001976 ---
s	Mantel-Haenszel: 13.85 0.0001977 ---
u	Yates corrected: 13.25 0.0002728 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.72 (1.28 <OR< 2.31)
+ 70 1469 1539	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.69 (1.28 <RR< 2.22)
- 162 5856 6018	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 232 7325 7557	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 14.19 0.0001648 ---
s	Mantel-Haenszel: 14.19 0.0001650 ---
u	Yates corrected: 13.58 0.0002289 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.85 (1.37 <OR< 2.48)
+ 70 1827 1897	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.81 (1.38 <RR< 2.39)
- 162 7804 7966	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 232 9631 9863	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 18.30 0.0000189 ---
s	Mantel-Haenszel: 18.30 0.0000189 ---
u	Yates corrected: 17.59 0.0000274 ---

ASTHMA MOR ANALYSIS

6/29/97

Entered in a different order than the preceding bronchitis data.

Entered as: SB-Lom; SLO; Ventura; Mendo; Humb+Del Notre

5) Asthma, 1991

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 114 | 2421 | 2535   Odds ratio = 2.75 (2.18 <OR< 3.47)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 254 | 14851 | 15105 Relative risk = 2.67 (2.15 <RR< 3.32)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 368 17272 17640   Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares P-values
-----
Uncorrected : 84.24 0.0000000 ---
Mantel-Haenszel: 84.23 0.0000000 ---
Yates corrected: 82.87 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 114 | 1469 | 1583   Odds ratio = 2.94 (2.32 <OR< 3.71)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 254 | 9607 | 9861   Relative risk = 2.80 (2.26 <RR< 3.46)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 368 11076 11444   Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares P-values
-----
Uncorrected : 93.78 0.0000000 ---
Mantel-Haenszel: 93.77 0.0000000 ---
Yates corrected: 92.30 0.0000000 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+| 114 | 1827 | 1941   Odds ratio = 2.67 (2.11 <OR< 3.36)
+-----+-----+   Cornfield 95% confidence limits for OR
-| 254 | 10855 | 11109 Relative risk = 2.57 (2.07 <RR< 3.19)
+-----+-----+   Taylor Series 95% confidence limits for RR
E 368 12682 13050   Ignore relative risk if case control study.
x
P
o
s
u
Chi-Squares P-values
-----
Uncorrected : 77.57 0.0000000 ---
Mantel-Haenszel: 77.56 0.0000000 ---
Yates corrected: 76.27 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 2421 | 2535
+-----+-----+
-| 220 | 12594 | 12814
+-----+-----+
E 334 15015 15349
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.70 (2.13 <OR< 3.41)
Cornfield 95% confidence limits for OR
Relative risk = 2.62 (2.10 <RR< 3.27)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 76.84 0.0000000 ---
Mantel-Haenszel: 76.84 0.0000000 ---
Yates corrected: 75.54 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 1469 | 1583
+-----+-----+
-| 220 | 7041 | 7261
+-----+-----+
E 334 8510 8844
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.48 (1.95 <OR< 3.16)
Cornfield 95% confidence limits for OR
Relative risk = 2.38 (1.91 <RR< 2.96)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 62.24 0.0000000 ---
Mantel-Haenszel: 62.23 0.0000000 ---
Yates corrected: 61.10 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 1827 | 1941
+-----+-----+
-| 220 | 8617 | 8837
+-----+-----+
E 334 10444 10778
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.44 (1.93 <OR< 3.10)
Cornfield 95% confidence limits for OR
Relative risk = 2.36 (1.89 <RR< 2.94)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 60.68 0.0000000 ---
Mantel-Haenszel: 60.67 0.0000000 ---
Yates corrected: 59.56 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 2421 | 2535
+-----+-----+
-| 895 | 30793 | 31688
+-----+-----+
E 1009 33214 34223
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.62 (1.32 <OR< 1.99)
Cornfield 95% confidence limits for OR
Relative risk = 1.59 (1.32 <RR< 1.93)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 22.95 0.0000017 ---
Mantel-Haenszel: 22.95 0.0000017 ---
Yates corrected: 22.37 0.0000022 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 1469 | 1583
+-----+-----+
-| 895 | 19726 | 20621
+-----+-----+
E 1009 21195 22204
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.71 (1.39 <OR< 2.10)
Cornfield 95% confidence limits for OR
Relative risk = 1.66 (1.37 <RR< 2.00)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 27.75 0.0000001 ---
Mantel-Haenszel: 27.75 0.0000001 ---
Yates corrected: 27.09 0.0000002 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 1827 | 1941
+-----+-----+
-| 895 | 23860 | 24755
+-----+-----+
E 1009 25687 26696
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.66 (1.35 <OR< 2.04)
Cornfield 95% confidence limits for OR
Relative risk = 1.62 (1.34 <RR< 1.96)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 25.23 0.0000005 ---
Mantel-Haenszel: 25.23 0.0000005 ---
Yates corrected: 24.61 0.0000007 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 2421 | 2535
+-----+-----+
-| 125 | 5841 | 5966
+-----+-----+
E 239 8262 8501
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.20 (1.69 <OR< 2.87)
Cornfield 95% confidence limits for OR
Relative risk = 2.15 (1.67 <RR< 2.75)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 37.56 0.0000000 ---
Mantel-Haenszel: 37.56 0.0000000 ---
Yates corrected: 36.69 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 114 | 1469 | 1583
+-----+-----+
-| 125 | 3132 | 3257
+-----+-----+
E 239 4601 4840
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.94 (1.49 <OR< 2.55)
Cornfield 95% confidence limits for OR
Relative risk = 1.88 (1.47 <RR< 2.40)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 25.67 0.0000004 ---
Mantel-Haenszel: 25.67 0.0000004 ---
Yates corrected: 24.96 0.0000006 ---

```

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.77 (1.36 <OR< 2.32)
+ 114 1827 1941	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.73 (1.35 <RR< 2.22)
- 125 3555 3680	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 239 5382 5621	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 19.14 0.0000121 ---
s	Mantel-Haenszel: 19.14 0.0000121 ---
u	Yates corrected: 18.54 0.0000166 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.16 (1.70 <OR< 2.75)
+ 114 2421 2535	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.11 (1.69 <RR< 2.64)
- 208 9548 9756	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 322 11969 12291	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 44.12 0.0000000 ---
s	Mantel-Haenszel: 44.11 0.0000000 ---
u	Yates corrected: 43.19 0.0000000 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.18 (1.71 <OR< 2.78)
+ 114 1469 1583	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.10 (1.68 <RR< 2.62)
- 208 5856 6064	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 322 7325 7647	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 44.27 0.0000000 ---
s	Mantel-Haenszel: 44.26 0.0000000 ---
u	Yates corrected: 43.34 0.0000000 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.34 (1.84 <OR< 2.98)
+ 114 1827 1941	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.26 (1.81 <RR< 2.83)
- 208 7804 8012	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 322 9631 9953	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 53.60 0.0000000 ---
s	Mantel-Haenszel: 53.60 0.0000000 ---
u	Yates corrected: 52.56 0.0000000 ---
r	

6) Asthma, 1992

+ Disease -

Analysis of Single Table

+-----+-----+

+| 81 | 2421 | 2502

Odds ratio = 2.54 (1.93 <OR< 3.32)

Cornfield 95% confidence limits for OR

+-----+-----+

Relative risk = 2.49 (1.93 <RR< 3.21)

-| 196 | 14851 | 15047

Taylor Series 95% confidence limits for RR

+-----+-----+

Ignore relative risk if case control study.

E 277 17272 17549

x

Chi-Squares P-values

p

o

Uncorrected : 51.70 0.0000000 ---

s

Mantel-Haenszel: 51.69 0.0000000 ---

u

Yates corrected: 50.46 0.0000000 ---

+ Disease -

Analysis of Single Table

+-----+-----+

+| 81 | 1469 | 1550

Odds ratio = 2.70 (2.06 <OR< 3.55)

Cornfield 95% confidence limits for OR

+-----+-----+

Relative risk = 2.61 (2.03 <RR< 3.37)

-| 196 | 9607 | 9803

Taylor Series 95% confidence limits for RR

+-----+-----+

Ignore relative risk if case control study.

E 277 11076 11353

x

Chi-Squares P-values

p

o

Uncorrected : 58.53 0.0000000 ---

s

Mantel-Haenszel: 58.53 0.0000000 ---

u

Yates corrected: 57.18 0.0000000 ---

+ Disease -

Analysis of Single Table

+-----+-----+

+| 81 | 1827 | 1908

Odds ratio = 2.46 (1.87 <OR< 3.22)

Cornfield 95% confidence limits for OR

+-----+-----+

Relative risk = 2.39 (1.86 <RR< 3.09)

-| 196 | 10855 | 11051

Taylor Series 95% confidence limits for RR

+-----+-----+

Ignore relative risk if case control study.

E 277 12682 12959

x

Chi-Squares P-values

p

o

Uncorrected : 47.52 0.0000000 ---

s

Mantel-Haenszel: 47.52 0.0000000 ---

u

Yates corrected: 46.35 0.0000000 ---

+ Disease -

Analysis of Single Table

+-----+-----+

+| 81 | 2421 | 2502

Odds ratio = 2.33 (1.77 <OR< 3.06)

Cornfield 95% confidence limits for OR

+-----+-----+

Relative risk = 2.28 (1.76 <RR< 2.96)

-| 181 | 12594 | 12775

Taylor Series 95% confidence limits for RR

+-----+-----+

Ignore relative risk if case control study.

E 262 15015 15277

x

Chi-Squares P-values

p

o

Uncorrected : 41.14 0.0000000 ---

s

Mantel-Haenszel: 41.14 0.0000000 ---

u

Yates corrected: 40.07 0.0000000 ---

```

+ Disease -
+-----+-----+
+| 81 | 1469 | 1550
+-----+-----+
-| 181 | 7041 | 7222
+-----+-----+
E 262 8510 8772
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.14 (1.63 <OR< 2.83)
Cornfield 95% confidence limits for OR
Relative risk = 2.09 (1.61 <RR< 2.69)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 32.57 0.0000000 ---
Mantel-Haenszel: 32.57 0.0000000 ---
Yates corrected: 31.64 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 81 | 1827 | 1908
+-----+-----+
-| 181 | 8617 | 8798
+-----+-----+
E 262 10444 10706
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.11 (1.60 <OR< 2.78)
Cornfield 95% confidence limits for OR
Relative risk = 2.06 (1.60 <RR< 2.67)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 31.44 0.0000000 ---
Mantel-Haenszel: 31.44 0.0000000 ---
Yates corrected: 30.53 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 81 | 2421 | 2502
+-----+-----+
-| 788 | 30793 | 31581
+-----+-----+
E 869 33214 34083
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.31 (1.03 <OR< 1.66)
Cornfield 95% confidence limits for OR
Relative risk = 1.30 (1.04 <RR< 1.62)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 5.14 0.0233752 ---
Mantel-Haenszel: 5.14 0.0233772 ---
Yates corrected: 4.85 0.0277100 ---

```

```

+ Disease -
+-----+-----+
+| 81 | 1469 | 1550
+-----+-----+
-| 788 | 19726 | 20514
+-----+-----+
E 869 21195 22064
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.38 (1.08 <OR< 1.76)
Cornfield 95% confidence limits for OR
Relative risk = 1.36 (1.09 <RR< 1.70)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.30 0.0068894 ---
Mantel-Haenszel: 7.30 0.0068907 ---
Yates corrected: 6.94 0.0084279 ---

```

	+ Disease -			Analysis of Single Table
	+-----+-----+			Odds ratio = 1.34 (1.06 <OR< 1.71)
+	81 1827 1908			Cornfield 95% confidence limits for OR
	+-----+-----+			Relative risk = 1.33 (1.06 <RR< 1.66)
-	788 23860 24648			Taylor Series 95% confidence limits for RR
	+-----+-----+			Ignore relative risk if case control study.
E	869	25687	26556	
x				Chi-Squares P-values

P				Uncorrected : 6.15 0.0131559 ---
o				Mantel-Haenszel: 6.15 0.0131577 ---
s				Yates corrected: 5.82 0.0158333 ---
u				

	+ Disease -			Analysis of Single Table
	+-----+-----+			Odds ratio = 1.95 (1.44 <OR< 2.66)
+	81 2421 2502			Cornfield 95% confidence limits for OR
	+-----+-----+			Relative risk = 1.92 (1.44 <RR< 2.57)
-	100 5841 5941			Taylor Series 95% confidence limits for RR
	+-----+-----+			Ignore relative risk if case control study.
E	181	8262	8443	
x				Chi-Squares P-values

P				Uncorrected : 20.27 0.0000067 ---
o				Mantel-Haenszel: 20.27 0.0000067 ---
s				Yates corrected: 19.54 0.0000099 ---
u				

	+ Disease -			Analysis of Single Table
	+-----+-----+			Odds ratio = 1.73 (1.27 <OR< 2.35)
+	81 1469 1550			Cornfield 95% confidence limits for OR
	+-----+-----+			Relative risk = 1.69 (1.27 <RR< 2.25)
-	100 3132 3232			Taylor Series 95% confidence limits for RR
	+-----+-----+			Ignore relative risk if case control study.
E	181	4601	4782	
x				Chi-Squares P-values

P				Uncorrected : 13.07 0.0002997 ---
o				Mantel-Haenszel: 13.07 0.0003001 ---
s				Yates corrected: 12.49 0.0004084 ---
u				

	+ Disease -			Analysis of Single Table
	+-----+-----+			Odds ratio = 1.58 (1.16 <OR< 2.15)
+	81 1827 1908			Cornfield 95% confidence limits for OR
	+-----+-----+			Relative risk = 1.55 (1.16 <RR< 2.07)
-	100 3555 3655			Taylor Series 95% confidence limits for RR
	+-----+-----+			Ignore relative risk if case control study.
E	181	5382	5563	
x				Chi-Squares P-values

P				Uncorrected : 9.07 0.0025954 ---
o				Mantel-Haenszel: 9.07 0.0025977 ---
s				Yates corrected: 8.60 0.0033636 ---
u				

```

+ Disease -
+-----+-----+
+| 81 | 2421 | 2502
+-----+-----+
-| 160 | 9548 | 9708
+-----+-----+
E 241 11969 12210
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.00 (1.51 <OR< 2.64)
Cornfield 95% confidence limits for OR
Relative risk = 1.96 (1.51 <RR< 2.56)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 25.97 0.0000003 ---
Mantel-Haenszel: 25.97 0.0000003 ---
Yates corrected: 25.15 0.0000005 ---

```

```

+ Disease -
+-----+-----+
+| 81 | 1469 | 1550
+-----+-----+
-| 160 | 5856 | 6016
+-----+-----+
E 241 7325 7566
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.02 (1.52 <OR< 2.68)
Cornfield 95% confidence limits for OR
Relative risk = 1.96 (1.51 <RR< 2.55)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 26.32 0.0000003 ---
Mantel-Haenszel: 26.32 0.0000003 ---
Yates corrected: 25.49 0.0000004 ---

```

```

+ Disease -
+-----+-----+
+| 81 | 1827 | 1908
+-----+-----+
-| 160 | 7804 | 7964
+-----+-----+
E 241 9631 9872
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.16 (1.63 <OR< 2.86)
Cornfield 95% confidence limits for OR
Relative risk = 2.11 (1.63 <RR< 2.75)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 32.32 0.0000000 ---
Mantel-Haenszel: 32.32 0.0000000 ---
Yates corrected: 31.39 0.0000000 ---

```

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```

+ Disease -
+-----+-----+
+| 54 | 2421 | 2475
+-----+-----+
-| 224 | 14851 | 15075
+-----+-----+
E 278 17272 17550
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.48 (1.08 <OR< 2.02)
Cornfield 95% confidence limits for OR
Relative risk = 1.47 (1.09 <RR< 1.97)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.60 0.0101727 ---
Mantel-Haenszel: 6.60 0.0101748 ---
Yates corrected: 6.17 0.0130262 ---

```

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 1.58 (1.15 <OR< 2.15)
+	54 1469 1523		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 1.56 (1.16 <RR< 2.08)
-	224 9607 9831		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	278 11076 11354		
x			Chi-Squares P-values

P			Uncorrected : 8.86 0.0029075 ---
o			Mantel-Haenszel: 8.86 0.0029088 ---
s			Yates corrected: 8.34 0.0038738 ---
u			

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 1.43 (1.05 <OR< 1.95)
+	54 1827 1881		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 1.42 (1.06 <RR< 1.90)
-	224 10855 11079		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	278 12682 12960		
x			Chi-Squares P-values

P			Uncorrected : 5.52 0.0187856 ---
o			Mantel-Haenszel: 5.52 0.0187901 ---
s			Yates corrected: 5.12 0.0235928 ---
u			

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 1.56 (1.13 <OR< 2.14)
+	54 2421 2475		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 1.55 (1.15 <RR< 2.09)
-	180 12594 12774		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	234 15015 15249		
x			Chi-Squares P-values

P			Uncorrected : 8.19 0.0042058 ---
o			Mantel-Haenszel: 8.19 0.0042070 ---
s			Yates corrected: 7.69 0.0055547 ---
u			

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 1.44 (1.04 <OR< 1.98)
+	54 1469 1523		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 1.42 (1.05 <RR< 1.92)
-	180 7041 7221		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	234 8510 8744		
x			Chi-Squares P-values

P			Uncorrected : 5.35 0.0206805 ---
o			Mantel-Haenszel: 5.35 0.0206877 ---
s			Yates corrected: 4.96 0.0259869 ---
u			

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 1.41 (1.03 <OR< 1.95)
	+ 54 1827 1881		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 1.40 (1.04 <RR< 1.89)
	- 180 8617 8797		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	234 10444 10678		
x			Chi-Squares P-values

P			-----
o		Uncorrected :	4.92 0.0265969 ---
s		Mantel-Haenszel:	4.92 0.0266040 ---
u		Yates corrected:	4.54 0.0331198 ---

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 0.92 (0.69 <OR< 1.23)
	+ 54 2421 2475		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 0.92 (0.70 <RR< 1.21)
	- 745 30793 31538		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	799 33214 34013		
x			Chi-Squares P-values

P			-----
o		Uncorrected :	0.33 0.5682480
s		Mantel-Haenszel:	0.33 0.5682537
u		Yates corrected:	0.25 0.6158637

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 0.97 (0.73 <OR< 1.30)
	+ 54 1469 1523		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 0.97 (0.74 <RR< 1.28)
	- 745 19726 20471		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	799 21195 21994		
x			Chi-Squares P-values

P			-----
o		Uncorrected :	0.04 0.8505089
s		Mantel-Haenszel:	0.04 0.8505123
u		Yates corrected:	0.01 0.9064700

	+ Disease -		Analysis of Single Table
	+-----+-----+		Odds ratio = 0.95 (0.71 <OR< 1.26)
	+ 54 1827 1881		Cornfield 95% confidence limits for OR
	+-----+-----+		Relative risk = 0.95 (0.72 <RR< 1.24)
	- 745 23860 24605		Taylor Series 95% confidence limits for RR
	+-----+-----+		Ignore relative risk if case control study.
E	799 25687 26486		
x			Chi-Squares P-values

P			-----
o		Uncorrected :	0.15 0.7011581
s		Mantel-Haenszel:	0.15 0.7011634
u		Yates corrected:	0.10 0.7536513

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.13 (0.81 <OR< 1.59)
+ 54 2421 2475	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.13 (0.82 <RR< 1.56)
- 115 5841 5956	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 169 8262 8431	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 0.56 0.4539645
s	Mantel-Haenszel: 0.56 0.4539912
u	Yates corrected: 0.44 0.5070074

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.00 (0.71 <OR< 1.41)
+ 54 1469 1523	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.00 (0.73 <RR< 1.38)
- 115 3132 3247	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 169 4601 4770	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 0.00 0.9945763
s	Mantel-Haenszel: 0.00 0.9945769
u	Yates corrected: 0.01 0.9384613

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 0.91 (0.65 <OR< 1.28)
+ 54 1827 1881	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 0.92 (0.67 <RR< 1.26)
- 115 3555 3670	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 169 5382 5551	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 0.29 0.5897397
s	Mantel-Haenszel: 0.29 0.5897732
u	Yates corrected: 0.21 0.6478950

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.20 (0.87 <OR< 1.65)
+ 54 2421 2475	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.20 (0.89 <RR< 1.62)
- 177 9548 9725	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 231 11969 12200	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 1.39 0.2384065
s	Mantel-Haenszel: 1.39 0.2384258
u	Yates corrected: 1.20 0.2729098

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.22 (0.88 <OR< 1.68)
+ 54 1469 1523	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.21 (0.90 <RR< 1.63)
- 177 5856 6033	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 231 7325 7556	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 1.54 0.2152720
s	Mantel-Haenszel: 1.54 0.2153024
u	Yates corrected: 1.34 0.2477177

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 1.30 (0.95 <OR< 1.79)
+ 54 1827 1881	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 1.29 (0.96 <RR< 1.75)
- 177 7804 7981	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 231 9631 9862	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 2.84 0.0920575
s	Mantel-Haenszel: 2.84 0.0920740
u	Yates corrected: 2.56 0.1096186

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+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.08 (1.52 <OR< 2.84)
+ 58 2421 2479	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.06 (1.53 <RR< 2.76)
- 171 14851 15022	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 229 17272 17501	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 23.78 0.0000011 ---
s	Mantel-Haenszel: 23.78 0.0000011 ---
u	Yates corrected: 22.86 0.0000017 ---

+ Disease -	Analysis of Single Table
+-----+-----+	Odds ratio = 2.22 (1.62 <OR< 3.03)
+ 58 1469 1527	Cornfield 95% confidence limits for OR
+-----+-----+	Relative risk = 2.17 (1.62 <RR< 2.91)
- 171 9607 9778	Taylor Series 95% confidence limits for RR
+-----+-----+	Ignore relative risk if case control study.
E 229 11076 11305	
x	Chi-Squares P-values
p	-----
o	Uncorrected : 27.95 0.0000001 ---
s	Mantel-Haenszel: 27.95 0.0000001 ---
u	Yates corrected: 26.93 0.0000002 ---

```

+ Disease -
+-----+-----+
+| 58 | 1827 | 1885
+-----+-----+
-| 171 | 10855 | 11026
+-----+-----+
E 229 12682 12911
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.02 (1.47 <OR< 2.75)
Cornfield 95% confidence limits for OR
Relative risk = 1.98 (1.48 <RR< 2.66)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 21.52 0.0000035 ---
Mantel-Haenszel: 21.52 0.0000035 ---
Yates corrected: 20.65 0.0000055 ---

```

```

+ Disease -
+-----+-----+
+| 58 | 2421 | 2479
+-----+-----+
-| 185 | 12594 | 12779
+-----+-----+
E 243 15015 15258
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.63 (1.20 <OR< 2.22)
Cornfield 95% confidence limits for OR
Relative risk = 1.62 (1.21 <RR< 2.16)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 10.54 0.0011683 ---
Mantel-Haenszel: 10.54 0.0011687 ---
Yates corrected: 9.98 0.0015838 ---

```

```

+ Disease -
+-----+-----+
+| 58 | 1469 | 1527
+-----+-----+
-| 185 | 7041 | 7226
+-----+-----+
E 243 8510 8753
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.50 (1.10 <OR< 2.05)
Cornfield 95% confidence limits for OR
Relative risk = 1.48 (1.11 <RR< 1.98)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 7.16 0.0074578 ---
Mantel-Haenszel: 7.16 0.0074612 ---
Yates corrected: 6.71 0.0095987 ---

```

```

+ Disease -
+-----+-----+
+| 58 | 1827 | 1885
+-----+-----+
-| 185 | 8617 | 8802
+-----+-----+
E 243 10444 10687
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.48 (1.08 <OR< 2.01)
Cornfield 95% confidence limits for OR
Relative risk = 1.46 (1.09 <RR< 1.96)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.

Chi-Squares P-values
-----
Uncorrected : 6.64 0.0099517 ---
Mantel-Haenszel: 6.64 0.0099551 ---
Yates corrected: 6.21 0.0126892 ---

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  58 | 2421 | 2479   Odds ratio = 1.00 (0.75 <OR< 1.31)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  741 | 30793 | 31534 Relative risk = 1.00 (0.76 <RR< 1.30)
+-----+-----+   Taylor Series 95% confidence limits for RR
E  799  33214  34013   Ignore relative risk if case control study.
x
p
o
s
u
                Chi-Squares  P-values
                -----  -----
                Uncorrected :  0.00  0.9742652
                Mantel-Haenszel:  0.00  0.9742656
                Yates corrected:  0.00  0.9708023

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  58 | 1469 | 1527   Odds ratio = 1.05 (0.79 <OR< 1.39)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  741 | 19726 | 20467 Relative risk = 1.05 (0.81 <RR< 1.36)
+-----+-----+   Taylor Series 95% confidence limits for RR
E  799  21195  21994   Ignore relative risk if case control study.
x
p
o
s
u
                Chi-Squares  P-values
                -----  -----
                Uncorrected :  0.13  0.7201316
                Mantel-Haenszel:  0.13  0.7201377
                Yates corrected:  0.08  0.7738120

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  58 | 1827 | 1885   Odds ratio = 1.02 (0.77 <OR< 1.35)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  741 | 23860 | 24601 Relative risk = 1.02 (0.79 <RR< 1.33)
+-----+-----+   Taylor Series 95% confidence limits for RR
E  799  25687  26486   Ignore relative risk if case control study.
x
p
o
s
u
                Chi-Squares  P-values
                -----  -----
                Uncorrected :  0.03  0.8739496
                Mantel-Haenszel:  0.03  0.8739520
                Yates corrected:  0.01  0.9292543

```

```

+ Disease -           Analysis of Single Table
+-----+-----+
+|  58 | 2421 | 2479   Odds ratio = 1.73 (1.21 <OR< 2.46)
+-----+-----+   Cornfield 95% confidence limits for OR
-|  81 | 5841 | 5922   Relative risk = 1.71 (1.23 <RR< 2.39)
+-----+-----+   Taylor Series 95% confidence limits for RR
E  139  8262  8401   Ignore relative risk if case control study.
x
p
o
s
u
                Chi-Squares  P-values
                -----  -----
                Uncorrected :  10.14  0.0014480 ---
                Mantel-Haenszel:  10.14  0.0014489 ---
                Yates corrected:  9.56  0.0019939 ---

```

+ Disease -		Analysis of Single Table	
+-----+-----+		Odds ratio = 1.53 (1.07 <OR< 2.18)	
+	58 1469 1527	Cornfield 95% confidence limits for OR	
+-----+-----+		Relative risk = 1.51 (1.08 <RR< 2.10)	
-	81 3132 3213	Taylor Series 95% confidence limits for RR	
+-----+-----+		Ignore relative risk if case control study.	
E	139 4601 4740		
x		Chi-Squares	P-values
p		-----	-----
o		Uncorrected :	5.93 0.0148640 ---
s		Mantel-Haenszel:	5.93 0.0148745 ---
u		Yates corrected:	5.49 0.0191006 ---

+ Disease -		Analysis of Single Table	
+-----+-----+		Odds ratio = 1.39 (0.98 <OR< 1.99)	
+	58 1827 1885	Cornfield 95% confidence limits for OR	
+-----+-----+		Relative risk = 1.38 (0.99 <RR< 1.93)	
-	81 3555 3636	Taylor Series 95% confidence limits for RR	
+-----+-----+		Ignore relative risk if case control study.	
E	139 5382 5521		
x		Chi-Squares	P-values
p		-----	-----
o		Uncorrected :	3.65 0.0561479
s		Mantel-Haenszel:	3.65 0.0561702
u		Yates corrected:	3.31 0.0688654

+ Disease -		Analysis of Single Table	
+-----+-----+		Odds ratio = 1.69 (1.23 <OR< 2.34)	
+	58 2421 2479	Cornfield 95% confidence limits for OR	
+-----+-----+		Relative risk = 1.68 (1.24 <RR< 2.28)	
-	135 9548 9683	Taylor Series 95% confidence limits for RR	
+-----+-----+		Ignore relative risk if case control study.	
E	193 11969 12162		
x		Chi-Squares	P-values
p		-----	-----
o		Uncorrected :	11.30 0.0007764 ---
s		Mantel-Haenszel:	11.30 0.0007767 ---
u		Yates corrected:	10.70 0.0010716 ---

+ Disease -		Analysis of Single Table	
+-----+-----+		Odds ratio = 1.71 (1.24 <OR< 2.37)	
+	58 1469 1527	Cornfield 95% confidence limits for OR	
+-----+-----+		Relative risk = 1.69 (1.25 <RR< 2.28)	
-	135 5856 5991	Taylor Series 95% confidence limits for RR	
+-----+-----+		Ignore relative risk if case control study.	
E	193 7325 7518		
x		Chi-Squares	P-values
p		-----	-----
o		Uncorrected :	11.61 0.0006555 ---
s		Mantel-Haenszel:	11.61 0.0006560 ---
u		Yates corrected:	11.00 0.0009101 ---

```

+ Disease -
+-----+-----+
+| 58 | 1827 | 1885
+-----+-----+
-| 135 | 7804 | 7939
+-----+-----+
E 193 9631 9824
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.84 (1.33 <OR< 2.53)
Cornfield 95% confidence limits for OR
Relative risk = 1.81 (1.34 <RR< 2.45)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 14.99 0.0001084 ---
Mantel-Haenszel: 14.98 0.0001084 ---
Yates corrected: 14.28 0.0001576 ---

```

Aggregate OR's for Pattern Analysis 8

```

+ Disease -
+-----+-----+
+| 67 | 5717 | 5784
+-----+-----+
-| 1358 |173680 |175038
+-----+-----+
E 1425 179397 180822
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.50 (1.16 <OR< 1.93)
Cornfield 95% confidence limits for OR
Relative risk = 1.49 (1.17 <RR< 1.91)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 10.48 0.0012073 ---
Mantel-Haenszel: 10.48 0.0012073 ---
Yates corrected: 10.00 0.0015691 ---

```

```

+ Disease -
+-----+-----+
+| 90 | 5717 | 5807
+-----+-----+
-| 1327 |173680 |175007
+-----+-----+
E 1417 179397 180814
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.06 (1.65 <OR< 2.57)
Cornfield 95% confidence limits for OR
Relative risk = 2.04 (1.65 <RR< 2.53)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 45.30 0.0000000 ---
Mantel-Haenszel: 45.30 0.0000000 ---
Yates corrected: 44.28 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 66 | 5717 | 5783
+-----+-----+
-| 1446 |173680 |175126
+-----+-----+
E 1512 179397 180909
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.39 (1.07 <OR< 1.79)
Cornfield 95% confidence limits for OR
Relative risk = 1.38 (1.08 <RR< 1.77)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 6.73 0.0094957 ---
Mantel-Haenszel: 6.73 0.0094959 ---
Yates corrected: 6.35 0.0117266 ---

```

```

+ Disease -
+-----+-----+
+| 70 | 5717 | 5787
+-----+-----+
-| 1299 |173680 |174979
+-----+-----+
E 1369 179397 180766
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.64 (1.28 <OR< 2.10)
Cornfield 95% confidence limits for OR
Relative risk = 1.63 (1.28 <RR< 2.07)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 16.27 0.0000549 ---
Mantel-Haenszel: 16.27 0.0000549 ---
Yates corrected: 15.65 0.0000760 ---

```

Aggregate OR's for Pattern Analysis 9

```

+ Disease -
+-----+-----+
+| 114 | 5717 | 5831
+-----+-----+
-| 1702 |173680 |175382
+-----+-----+
E 1816 179397 181213
x
p
o
s
u
Analysis of Single Table
Odds ratio = 2.03 (1.67 <OR< 2.47)
Cornfield 95% confidence limits for OR
Relative risk = 2.01 (1.67 <RR< 2.43)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 55.15 0.0000000 ---
Mantel-Haenszel: 55.15 0.0000000 ---
Yates corrected: 54.16 0.0000000 ---

```

```

+ Disease -
+-----+-----+
+| 81 | 5717 | 5798
+-----+-----+
-| 1425 |173680 |175105
+-----+-----+
E 1506 179397 180903
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.73 (1.37 <OR< 2.18)
Cornfield 95% confidence limits for OR
Relative risk = 1.72 (1.37 <RR< 2.14)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 23.12 0.0000015 ---
Mantel-Haenszel: 23.12 0.0000015 ---
Yates corrected: 22.42 0.0000022 ---

```

```

+ Disease -
+-----+-----+
+| 54 | 5717 | 5771
+-----+-----+
-| 1441 |173680 |175121
+-----+-----+
E 1495 179397 180892
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.14 (0.86 <OR< 1.51)
Cornfield 95% confidence limits for OR
Relative risk = 1.14 (0.87 <RR< 1.49)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 0.87 0.3514752
Mantel-Haenszel: 0.87 0.3514765
Yates corrected: 0.74 0.3909790

```

```

+ Disease -
+-----+-----+
+| 58 | 5717 | 5775
+-----+-----+
-| 1313 |173680 |174993
+-----+-----+
E 1371 179397 180768
x
p
o
s
u
Analysis of Single Table
Odds ratio = 1.34 (1.02 <OR< 1.76)
Cornfield 95% confidence limits for OR
Relative risk = 1.34 (1.03 <RR< 1.74)
Taylor Series 95% confidence limits for RR
Ignore relative risk if case control study.
Chi-Squares P-values
-----
Uncorrected : 4.79 0.0285853 ---
Mantel-Haenszel: 4.79 0.0285858 ---
Yates corrected: 4.46 0.0346797 ---

```